UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Analytical results and sample locality map of stream-sediment, heavy-mineral-concentrate, and rock samples from the Sangre de Cristo Wilderness Study Area, Saguache, Alamosa, Fremont, Custer, and Huerfano Counties, Colorado

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Open-File Report 84-398

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

1984

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STUDIES RELATED TO WILDERNESS

The Wilderness Act (Public Law 88-577, September 3, 1964) and related acts require the U.S. Geological Survey and the U.S. Bureau of Mines to survey certain areas on Federal lands to determine their mineral resource potential. Results must be made available to the public and be submitted to the President and the Congress. This report presents the results of a geochemical survey of the Sangre de Cristo Wilderness Study Area in the Rio Grande and San Isabel National Forests, Saguache, Alamosa, Fremont, Custer, and Huerfano Counties, Colorado. The Sangre de Cristo Wilderness Study Area was classified as a proposed wilderness during the Second Roadless Area Review and Evaluation (RARE II) by the U.S. Forest Service, January 1979.

INTRODUCTION

In July 1982 the U.S. Geological Survey conducted a reconnaissance geochemical survey of the Sangre de Cristo Wilderness Study Area, Saguache, Alamosa, Fremont, Custer, and Huerfano Counties, Colorado.

Location

The Sangre de Cristo Wilderness Study Area occupies most of the northern part of the Sangre de Cristo Mountain Range, south-central Colorado (fig. 1). Much of the study area occupies rugged mountainous terrain bounded by the San Luis Valley to the west and the Wet Mountain Valley to the east. Relief is extreme, ranging from 14,363 feet at Blanca Peak to about 8,000 feet along the southwest portion of the boundary.

Geology

The Sangre de Cristo Wilderness Study Area is composed mostly of Precambrian crystalline rocks and upper Paleozoic clastic sedimentary rocks. Middle mid-Tertiary stocks, sills, and dikes intrude the older rocks.

The Precambrian crystalline rocks consist of a wide variety of dominantly potassium-poor gneisses. Most of the gneisses are of probable volcanic or volcaniclastic protolith and are intruded by several large plutons and numerous smaller bodies of Precambrian igneous rocks. The upper Paleozoic clastic rocks comprise thick sequences of near-source conglomerate and conglomeratic sandstone red beds.

The structure of the study area is dominated by rifting along the eastern and western borders of the range and west-dipping arcuate thrust plates exposed in the range. The pre-Tertiary rocks have been folded and faulted by Laramide compressional forces from late Cretaceous to Eocene time and subsequently intruded by mid-Tertiary igneous rocks ranging in composition from mafic to felsic.

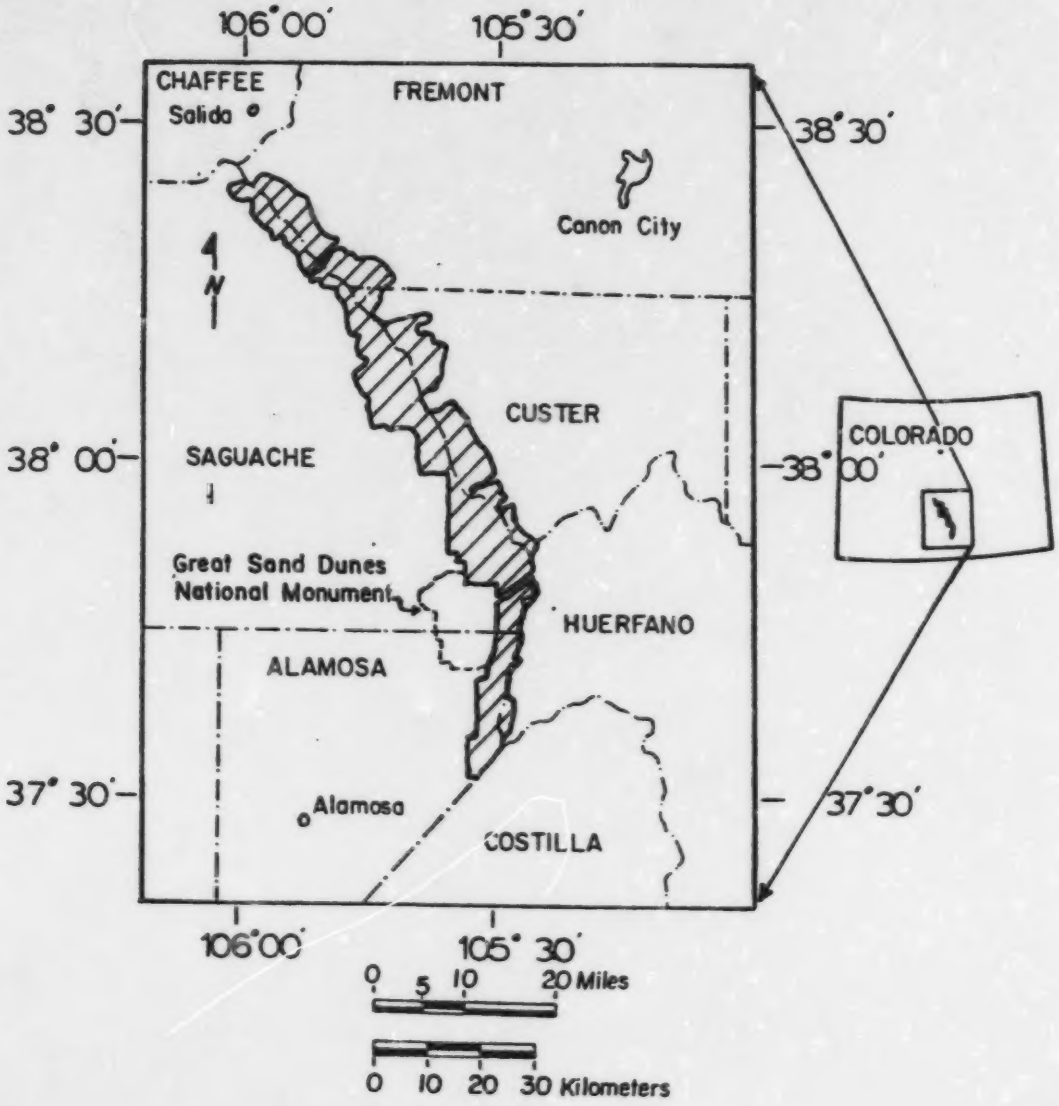

Figure 1. Location map of the Sangre de Cristo Wilderness Study Area, Saguache, Alamosa, Fremont, Custer, and Huerfano Counties, Colorado.

METHODS OF STUDY

Sample Media

Analyses of the stream-sediment samples represent the chemistry of the rock material eroded from the drainage basin upstream from each sample site. Such information is useful in identifying those basins which contain concentrations of elements that may be related to mineral deposits. Heavy-mineral-concentrate samples provide information about the chemistry of a limited number of minerals in rock material eroded from the drainage basin upstream from each sample site. The selective concentration of minerals, many of which are ore-related, permits determination of some elements that are not easily detected in stream-sediment samples.

Analyses of unaltered or unmineralized rock samples provide background geochemical data for individual rock units. On the other hand, analyses of altered or mineralized rocks, where present, may provide useful geochemical information about the major- and trace-element assemblages associated with a mineralizing system.

Sample Collection

Samples were collected at 747 sites (plate 1). At nearly all of those sites, both a stream-sediment sample and a heavy-mineral-concentrate sample were collected. Where suitable outcrop was available, rock samples were collected. Sampling density was about 2 sample sites per 1 mi^2 for the stream sediments and heavy-mineral concentrates, and about 1 sample site per 3 mi^2 for the rocks.

Stream-sediment samples

The stream-sediment samples consisted of active alluvium collected primarily from first-order (unbranched) and second-order (below the junction of two first-order) streams as shown on USGS topographic maps (scale = 1:24,000). Each sample was composited from several localities within an area that may extend as much as 50 ft from the site plotted on the map.

Heavy-mineral-concentrate samples

Heavy-mineral-concentrate samples were collected from the same active alluvium as the stream-sediment samples. Each bulk sample was screened with a 2.0-mm (10-mesh) screen to remove the coarse material. The less than 2.0-mm fraction was panned until most of the quartz, feldspar, organic material, and clay-sized material were removed.

Rock samples

Rock samples were collected from outcrops or exposures in the vicinity of the plotted site location. Samples were collected from either mineralized rocks or "different" rock types not characeristic of the most voluminous rock in any particular area such as dikes, veins, or stained rocks.

Sample Preparation

The stream sediment samples were air dried, then sieved using 80 mesh (0.17 mm) stainless steel sieves. The portion of the sediment passing through the sieve was saved for analysis.

After air drying, bromoform (specific gravity 2.8) was used to remove the remaining quartz and feldspar from the heavy-mineral-concentrate samples that had been panned in the field. The resultant heavy mineral sample was separated into three fractions using a large electromagnet (in this case a modified Frantz Isodynamic Separator). The most magnetic material, primarily magnetite, was not analyzed. The second fraction, largely ferromagnesian silicates and iron oxides, was saved for analysis/archival storage. The third fraction (the least magnetic material including the nonmagnetic ore minerals, zircon, sphene, etc.) was split using a Jones splitter. One split was hand-ground for spectrographic analysis; the other split was saved for mineralogical analysis. These magnetic separates are the same separates that would be produced by using a Frantz Isodynamic Separator set at a slope of 15° and a tilt of 10° with a current of 0.1 ampere to remove the magnetite and ilmenite, and a current of 1.0 ampere to split the remainder of the sample into paramagnetic and nonmagnetic fractions.

Rock samples were crushed and then pulverized to minus 0.15 mm with ceramic plates.

Sample Analysis

Spectrographic method

The stream-sediment, heavy-mineral-concentrate, and rock samples were analyzed for 31 elements using a semiquantitative, direct-current arc emission spectrographic method (Grimes and Marranzino, 1968). The elements analyzed and their lower limits of determination are listed in Table 1. Spectrographic results were obtained by visual comparison of spectra derived from the sample against spectra obtained from standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between those values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting interval at the 83 percent confidence level and plus or minus two reporting intervals at the 96 percent confidence level (Motooka and Grimes, 1976). Values determined for the major elements (iron, magnesium, calcium, and titanium) are given in weight percent; all others are given in parts per million (micrograms/gram). Analytical data for samples from the Sangre de Cristo Wilderness Study Area are listed in Tables 3-5.

Chemical Methods

Other methods of analysis used on samples from the Sangre de Cristo Wilderness Study Area are summarized in table 2.

Analytical results for stream-sediment, heavy-mineral-concentrate, and rock samples are listed in tables 3, 4, and 5, respectively).

ROCK ANALYSIS STORAGE SYSTEM

Upon completion of all analytical work, the analytical results were entered into a computer-based file called Rock Analysis Storage System (RASS). This data base contains both descriptive geological information and analytical data. Any or all of this information may be retrieved and converted to a binary form (STATPAC) for computerized statistical analysis or publication (VanTrump and Miesch, 1976).

DESCRIPTION OF DATA TABLES

Tables 3-5 list the analyses for the samples of stream sediment, heavy-mineral concentrate, and rock, respectively. For the three tables, the data are arranged so that column 1 contains the USGS-assigned sample numbers. These numbers correspond to the numbers shown on the site location maps (plate 1). Columns in which the element headings show the letter "s" below the element symbol are emission spectrographic analyses; "aa" indicates atomic absorption analyses. A letter "N" in the tables indicates that a given element was looked for but not detected at the lower limit of determination shown for that element in table 1. If an element was observed but was below the lowest reporting value, a "less than" symbol (<) was entered in the tables in front of the lower limit of determination. If an element was observed but was above the highest reporting value, a "greater than" symbol (>) was entered in the tables in front of the upper limit of determination. If an element was not looked for in a sample, two dashes (--) are entered in tables 3-5 in place of an analytical value. Because of the formatting used in the computer program that produced tables 3-5, some of the elements listed in these tables (Fe, Mg, Ca, Ti, Ag, and Be) carry one or more nonsignificant digits to the right of the significant digits. The analysts did not determine these elements to the accuracy suggested by the extra zeros.

REFERENCES CITED

Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analysis of geologic materials: U.S. Geological Survey Circular 591, 6 p.

Motooka, J. M., and Grimes, D. J., 1976, Analytical precision of one-sixth order semiquantitative spectrographic analyses: U.S. Geological Survey Circular 738, 25 p.

VanTrump, George, Jr., and Miesch, A. T., 1976, The U.S. Geological Survey RASS-STATPAC system for management and statistical reduction of geochemical data: Computers and Geosciences, v. 3, p. 475-488.

Viets, J. G., 1978, Determination of silver, bismuth, cadmium, copper, lead, and zinc in geologic materials by atomic absorption spectrometry with tricaprylylmethylammonium chloride: Analytical Chemistry, v. 50, p. 1097-1101.

TABLE 1.--Limits of determination for the spectrographic analysis of rocks and stream sediments, based on a 10-mg sample

[The spectrographic limits of determination for heavy-mineral-concentrate samples are based on a 5-mg sample, and are therefore two reporting intervals higher than the limits given for rocks and stream sediments]

Elements	Lower determination limit	Upper determination limit
	Percent	
Iron (Fe)	0.05	20
Magnesium (Mg)	.02	10
Calcium (Ca)	.05	20
Titanium (Ti)	.002	1
	Parts per million	
Manganese (Mn)	10	5,000
Silver (Ag)	0.5	5,000
Arsenic (As)	200	10,000
Gold (Au)	10	500
Boron (B)	10	2,000
Barium (Ba)	20	5,000
Beryllium (Be)	1	1,000
Bismuth (Bi)	10	1,000
Cadmium (Cd)	20	500
Cobalt (Co)	5	2,000
Chromium (Cr)	10	5,000
Copper (Cu)	5	20,000
Lanthanum (La)	20	1,000
Molybdenum (Mo)	5	2,000
Niobium (Nb)	20	2,000
Nickel (Ni)	5	5,000
Lead (Pb)	10	20,000
Antimony (Sb)	100	10,000
Scandium (Sc)	5	100
Tin (Sn)	10	1,000
Strontium (Sr)	100	5,000
Vanadium (V)	10	10,000
Tungsten (W)	50	10,000
Yttrium (Y)	10	2,000
Zinc (Zn)	200	10,000
Zirconium (Zr)	10	1,000
Thorium (Th)	100	2,000

Table 2.--Chemical methods used

[AA = atomic absorption]

Element or constituent determined	Sample Type	Method	Determination limit (micrograms/ gram or ppm)	Reference
Arsenic (As)	Sediments	AA	5	Modification of Viets, 1978
Antimony (Sb)	"	AA	1	
Zinc (Zn)	"	AA	5	
Bismuth (Bi)	"	AA	1	
Cadmium (Cd)	"	AA	0.1	

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
0002	38 1 4	105 41 13	7.0	1.0	1.0	.50	1,500	N	N	N	100	1,000	2.0
0004	38 0 53	105 44 15	7.0	1.5	2.0	.50	1,000	N	N	N	70	1,000	2.0
0011	38 8 25	105 44 50	7.0	1.5	.5	.50	1,000	N	N	N	200	700	2.0
0013	38 5 5	105 46 5	5.0	1.0	.5	.50	700	N	N	N	200	700	2.0
0017	38 10 50	105 44 45	5.0	1.0	15.0	.50	1,500	N	N	N	100	500	2.0
0018	38 10 9	105 46 30	7.0	1.5	.7	.50	1,000	N	N	N	200	700	2.0
0019	38 9 56	105 47 14	5.0	1.5	1.0	.50	700	N	N	N	200	700	2.0
0031	38 19 42	105 47 65	7.0	1.5	1.0	.50	500	N	N	N	200	700	2.0
0037	38 13 2	105 48 40	10.0	2.0	1.0	.50	1,000	N	N	N	200	500	2.0
0039	38 17 11	105 51 50	3.0	1.0	1.5	.50	1,000	N	N	N	200	300	2.0
0040	38 16 49	105 52 9	7.0	2.0	2.0	.50	1,500	N	N	N	100	700	2.0
0042	38 15 55	105 51 4	7.0	1.0	.5	.50	1,000	N	N	N	200	500	2.0
0045	38 20 52	105 56 16	5.0	1.0	1.0	.50	1,000	N	N	N	20	700	2.0
0046	38 20 20	105 56 33	5.0	1.5	1.0	.50	1,000	N	N	N	20	700	2.0
0050	38 23 55	105 59 44	7.0	1.5	2.0	1.00	2,000	N	N	N	20	300	1.0
0051	38 23 26	106 0 16	10.0	1.5	2.0	1.00	200	N	N	N	30	500	1.0
0053	38 7 46	105 36 18	7.0	1.0	1.0	.50	500	N	N	N	50	500	2.0
0056	38 8 0	105 36 58	5.0	1.0	1.0	.50	500	N	N	N	50	700	2.0
0062	38 16 33	105 45 36	7.0	1.0	.7	.50	500	N	N	N	100	1,000	2.0
0063	38 16 40	105 45 35	3.0	1.0	2.0	.30	300	N	N	N	100	500	2.0
0064	38 17 23	105 45 37	7.0	1.0	1.0	.50	500	N	N	N	100	700	2.0
0065	38 18 14	105 45 20	5.0	1.5	1.0	.50	500	N	N	N	100	700	2.0
0066	38 16 37	105 45 17	5.0	1.5	1.0	.50	300	N	N	N	200	700	2.0
0067	38 16 57	105 45 19	5.0	1.0	1.5	.50	500	N	N	N	150	500	2.0
0068	38 19 35	105 44 46	5.0	1.0	.7	.50	700	N	N	N	100	700	2.0
0095	37 59 7	105 38 15	10.0	1.5	1.5	.50	1,500	N	N	N	100	700	2.0
0109	38 12 55	105 41 11	7.0	1.0	1.0	.50	1,000	N	N	N	20	1,000	2.0
0110	38 13 57	105 41 13	7.0	1.0	1.0	.50	1,000	N	N	N	50	1,000	2.0
0111	38 14 4	105 40 49	7.0	1.0	.5	.50	1,000	N	N	N	20	700	2.0
0112	38 14 22	105 40 1	5.0	1.0	.5	.50	700	N	N	N	50	1,000	2.0
0113	38 14 28	105 40 6	5.0	.7	.5	.70	1,000	N	N	N	30	1,000	2.0
0115	38 5 22	105 37 58	7.0	1.0	.7	.70	1,500	N	N	N	100	700	2.0
0117	38 5 51	105 37 6	7.0	1.0	1.0	.50	1,500	N	N	N	100	700	2.0
0119	38 6 3	105 36 20	5.0	1.0	1.0	.70	1,000	N	N	N	100	700	2.0
0121	38 7 5	105 35 50	7.0	1.0	1.0	.70	1,500	N	N	N	100	700	2.0
0127	37 53 43	105 34 27	5.0	.7	1.5	.70	1,000	N	N	N	10	700	2.0
0129	37 53 35	105 34 45	5.0	1.0	2.0	.70	1,000	N	N	N	10	1,000	2.0
0131	37 53 24	105 35 2	5.0	1.0	2.0	.70	1,000	N	N	N	10	1,000	2.0
0133	37 53 25	105 35 3	5.0	1.0	2.0	.70	1,000	N	N	N	10	1,000	2.0
0137	37 53 19	105 35 21	7.0	1.0	2.0	.30	1,500	N	N	N	10	1,000	2.0
0143	37 52 47	105 35 46	5.0	1.0	1.5	.50	1,000	N	N	N	20	700	2.0
0145	37 52 40	105 35 45	5.0	1.0	1.5	.70	700	N	N	N	10	1,000	2.0
0147	37 52 25	105 35 22	7.0	1.5	[illegible]	.70	1,000	N	N	N	15	1,000	2.0
0155	37 25 27	105 28 40	3.0	[illegible]	[illegible]	.30	500	N	N	N	70	300	2.0
0157	37 25 29	105 28 40	5.0	1.0	.5	.50	1,500	N	N	N	50	500	2.0

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
0002	N	N	20	70	50	100	N	20	20	70	N	20	N
0006	N	N	30	150	100	100	N	20	70	70	N	20	N
0011	N	N	20	100	50	50	N	20	20	70	N	20	N
0013	N	N	15	70	30	100	N	20	20	50	N	15	N
0017	N	N	10	70	30	100	N	<20	20	50	N	15	N
0018	N	N	20	100	50	150	N	<20	30	70	N	20	N
0019	N	N	20	70	50	100	N	20	20	50	N	20	N
0031	N	N	20	70	50	100	<5	<20	20	50	N	20	N
0037	50	N	20	70	70	150	<5	20	20	50	N	20	N
0039	N	N	15	70	70	50	N	<20	30	200	N	10	N
0040	N	N	20	200	70	70	N	<20	50	200	N	20	N
0042	N	N	20	100	70	70	N	20	50	70	N	20	N
0045	N	N	20	100	50	70	N	<20	30	50	N	20	N
0046	N	N	10	100	50	100	N	<20	20	50	N	20	N
0050	N	N	20	50	70	50	N	<20	20	20	N	30	N
0051	N	N	30	50	70	50	N	<20	20	20	N	30	N
0053	N	N	15	200	50	100	N	<20	50	70	N	20	N
0056	N	N	15	150	50	70	N	<20	30	70	N	20	N
0062	N	N	20	150	50	100	N	<20	30	50	N	20	N
0063	N	N	10	70	20	50	N	<20	20	50	N	10	N
0064	N	N	15	100	30	100	N	<20	20	50	N	15	N
0065	N	N	15	100	30	70	N	<20	20	50	N	15	N
0066	N	N	15	100	30	70	N	<20	20	50	N	15	N
0067	N	N	15	70	30	70	N	<20	20	30	N	20	N
0069	N	N	10	50	30	70	N	<20	20	30	N	20	N
0095	N	N	20	150	100	70	N	<20	30	70	N	20	N
0109	N	N	10	70	30	50	N	20	20	50	N	20	N
0110	N	N	10	50	20	70	N	20	10	50	N	20	N
0111	N	N	10	50	20	50	N	20	10	50	N	20	N
0112	N	N	10	50	20	70	N	<20	15	50	N	15	N
0113	N	N	10	50	50	50	N	<20	10	30	N	15	N
0115	N	N	15	100	20	70	N	20	15	50	N	20	N
0117	N	N	10	100	30	70	N	20	15	50	N	20	N
0119	N	N	15	70	20	70	N	<20	15	70	N	20	N
0121	N	N	15	100	30	50	N	20	15	50	N	20	N
0127	N	N	10	20	20	70	N	<20	20	50	N	20	N
0129	N	N	10	30	50	100	N	20	10	50	N	20	N
0131	N	N	10	20	30	100	N	20	5	50	N	20	N
0133	N	N	10	20	50	100	N	<20	10	50	N	20	N
0137	N	N	10	20	20	70	N	<20	7	30	N	20	N
0143	N	N	10	20	20	50	N	<20	10	50	N	10	N
0145	N	N	15	30	30	70	N	<20	10	70	N	15	N
0147	N	N	10	30	200	100	N	<20	10	50	N	20	N
0155	N	N	10	30	50	50	N	<20	15	30	N	15	N
0157	N	N	15	50	100	50	N	<20	20	70	N	15	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
0002	300	150	N	70	N	200	N	N	60	.2	N	N
0009	700	150	N	50	N	200	N	N	85	.1	N	N
0011	200	150	N	50	N	500	N	N	40	N	N	N
0013	150	100	N	50	N	200	N	N	40	N	N	N
0017	700	100	N	50	N	200	N	N	20	N	N	N
0018	200	100	N	70	N	300	N	N	25	N	N	N
0019	200	100	N	50	N	300	N	N	25	N	N	N
0031	200	150	N	50	N	500	N	N	15	N	N	N
0037	300	200	N	50	N	300	N	N	20	N	N	N
0039	150	100	N	50	500	300	N	N	270	1.0	N	N
0040	300	200	N	70	<200	200	N	N	60	N	N	N
0042	100	200	N	70	N	300	N	N	40	N	N	N
0045	200	150	N	70	N	200	N	N	35	N	N	N
0046	200	100	N	50	N	150	N	N	35	N	N	N
0050	300	200	N	50	N	150	N	N	30	N	N	N
0051	300	300	N	50	N	100	N	N	35	N	N	N
0053	200	200	N	70	N	300	N	N	40	N	N	N
0056	200	150	N	50	N	300	N	N	40	N	N	N
0062	200	200	N	50	N	300	N	N	20	N	N	N
0063	200	100	N	20	N	200	N	N	15	N	N	N
0064	200	200	N	70	N	300	N	N	20	N	N	N
0065	200	100	N	50	N	200	N	N	20	N	N	N
0066	200	100	N	50	N	300	N	N	15	N	N	N
0067	200	150	N	70	N	500	N	N	20	N	N	N
0068	200	150	N	50	N	300	N	N	40	N	N	N
0069	300	200	N	50	N	100	N	N	40	N	N	N
0109	200	100	N	50	N	300	N	N	55	.2	N	N
0110	300	150	N	70	N	300	N	N	50	.2	N	N
0111	300	70	N	50	N	200	N	N	45	.2	N	N
0112	200	70	N	50	N	200	N	N	45	.2	N	N
0113	200	70	N	50	N	200	N	N	30	.1	N	<1
0115	200	100	N	50	N	300	N	N	110	.3	N	<1
0117	300	100	N	70	N	500	N	N	140	.4	N	<1
0119	300	100	N	50	N	150	N	N	110	.4	N	<1
0121	200	150	N	50	N	300	N	N	55	.2	N	N
0127	500	100	N	50	N	200	N	N	80	.4	N	N
0129	700	100	N	70	N	300	N	N	60	.4	N	N
0131	1,000	100	N	50	N	300	N	N	40	.3	N	N
0133	700	100	N	50	N	200	N	N	65	.4	N	N
0135	700	100	N	70	N	200	N	N	60	.3	N	N
0143	700	70	N	20	N	200	N	N	50	.3	N	N
0145	500	100	N	50	N	150	N	N	55	.3	N	N
0147	700	150	N	70	N	300	N	N	45	.3	N	N
0155	200	70	N	20	N	200	N	<5.0	65	.5	N	N
0157	300	100	N	20	N	150	N	N	90	.7	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
0159	37 34 16	105 28 28	5.0	1.0	1.5	.50	1,500	N	N	N	50	500	2.0
0161	37 36 17	105 29 25	3.0	.7	1.0	.50	700	N	N	N	100	700	2.0
0163	37 36 45	105 28 18	5.0	2.0	1.5	.50	1,500	N	N	N	30	500	2.0
0165	37 36 55	105 28 23	7.0	1.5	2.0	.70	1,000	N	N	N	20	700	2.0
0167	37 37 13	105 28 18	7.0	1.5	1.5	.50	1,000	N	N	N	50	500	2.0
0169	37 32 4	105 28 16	5.0	1.0	1.5	.30	700	N	N	N	20	500	2.0
0171	37 32 3	105 28 15	5.0	1.0	1.5	.30	1,000	N	N	N	30	500	2.0
0173	37 38 39	105 28 8	10.0	1.5	2.0	.70	1,500	N	N	N	30	500	2.0
0175	37 38 37	105 28 4	5.0	1.0	1.5	.50	1,000	N	N	N	20	500	2.0
0177	37 37 35	105 33 13	7.0	1.5	1.5	.50	1,000	N	N	N	200	700	2.0
0179	37 37 40	105 33 7	5.0	1.0	1.0	.50	3,000	N	N	N	100	700	2.0
0181	37 38 2	105 32 18	5.0	1.0	1.0	.50	1,000	N	N	N	150	500	2.0
0183	37 37 58	105 32 18	7.0	1.0	1.0	.50	1,000	N	N	N	200	700	2.0
0185	37 38 4	105 31 53	5.0	1.0	1.0	.50	1,000	N	N	N	100	700	2.0
0187	37 38 35	105 30 22	7.0	1.0	1.0	.50	1,000	N	N	N	100	500	2.0
0189	38 4 45	105 33 57	5.0	1.0	1.0	.50	500	N	N	N	50	700	2.0
0191	38 4 4	105 34 3	7.0	1.0	1.0	.70	1,000	N	N	N	50	700	2.0
0193	38 1 4	105 34 55	5.0	1.0	1.5	.50	1,500	N	N	N	100	1,000	2.0
0195	38 1 7	105 34 50	5.0	1.0	.7	.50	1,000	N	N	N	100	700	2.0
0197	38 1 30	105 34 0	5.0	1.0	.5	.50	1,000	N	N	N	50	700	2.0
0199	38 4 5	105 33 7	5.0	1.0	.5	.50	500	N	N	N	100	700	2.0
0201	38 2 38	105 32 25	7.0	1.0	1.0	.50	1,000	N	N	N	70	1,000	2.0
0203	37 54 36	105 31 58	7.0	1.0	1.5	.50	100	N	N	N	50	1,000	2.0
0205	37 56 37	105 31 59	5.0	1.0	1.5	.50	1,500	N	N	N	100	700	2.0
0207	37 55 40	105 30 55	7.0	1.0	2.0	.70	1,500	N	N	N	20	700	2.0
0209	37 55 16	105 30 28	7.0	1.0	2.0	.50	1,000	N	N	N	20	700	2.0
0211	37 54 46	105 30 1	7.0	1.0	1.5	.50	1,000	N	N	N	20	700	2.0
0213	37 54 10	105 29 46	5.0	1.0	1.5	.50	1,000	N	N	N	50	700	2.0
0215	37 54 2	105 29 52	7.0	1.0	1.5	.50	700	N	N	N	20	1,000	2.0
0217	38 4 43	105 35 22	7.0	1.0	.7	.50	1,500	N	N	N	100	1,000	2.0
0219	38 3 42	105 36 53	10.0	1.0	.7	.50	1,500	N	N	N	200	700	2.0
0221	38 5 25	105 36 11	7.0	1.0	.5	.30	700	N	N	N	200	1,000	2.0
0223	38 4 24	105 37 33	5.0	1.0	.5	.50	1,000	N	N	N	100	1,000	2.0
0225	38 4 33	105 37 30	7.0	1.0	.5	.50	1,500	N	N	N	200	1,000	2.0
0227	38 3 54	105 34 45	7.0	1.0	1.0	.50	1,500	N	N	N	150	1,000	2.0
0229	38 2 57	105 36 30	7.0	1.0	.7	.50	2,000	N	N	N	200	1,000	2.0
0231	38 2 35	105 35 44	7.0	1.0	.5	.50	1,500	N	N	N	100	1,000	2.0
0233	38 3 33	105 34 35	7.0	1.0	.7	.50	1,500	N	N	N	150	1,000	2.0
0235	38 2 12	105 34 0	7.0	1.0	1.5	.50	1,500	N	N	N	150	1,000	2.0
0237	38 4 42	105 39 54	7.0	1.0	1.0	.50	1,500	N	N	N	30	700	2.0
0239	38 4 44	105 39 54	10.0	1.0	.5	.50	1,500	N	N	N	50	500	2.0
0241	38 4 19	105 40 23	15.0	1.0	1.0	.50	1,500	N	N	N	50	700	2.0
0243	38 3 48	105 40 40	10.0	1.0	1.0	.50	2,000	N	N	N	30	500	2.0
0245	38 3 49	105 40 45	2.0	.5	1.0	.30	1,000	N	N	N	20	300	2.0
0247	38 3 29	105 41 5	5.0	1.0	1.0	.50	1,500	N	N	N	10	700	2.0

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
0159	N	N	15	50	50	50	N	<20	20	30	N	15	N
0161	N	N	10	50	50	70	N	<20	15	30	N	15	N
0163	N	N	20	150	50	70	N	<20	100	70	N	20	N
0165	N	N	20	150	100	50	N	<20	20	50	N	30	N
0167	N	N	15	50	30	50	N	<20	50	30	N	20	N
0169	N	N	10	100	20	50	N	<20	20	30	N	15	N
0171	N	N	15	200	50	50	N	<20	50	50	N	20	N
0173	N	N	20	150	50	50	N	<20	50	20	N	20	N
0175	N	N	20	100	50	100	N	<20	50	20	N	20	N
0177	N	N	20	100	50	70	N	<20	30	50	N	20	N
0179	N	N	20	70	50	70	N	<20	30	70	N	20	N
0181	N	N	15	70	30	50	N	<20	20	50	N	20	N
0183	N	N	15	100	30	70	N	<20	20	50	N	20	N
0185	N	N	15	70	30	50	N	<20	20	50	N	20	N
0187	N	N	15	100	30	50	N	<20	20	50	N	20	N
0189	N	N	10	70	20	50	N	<20	20	30	N	10	N
0191	N	N	10	100	20	50	N	<20	20	30	N	15	N
0193	N	N	10	50	30	50	N	<20	15	50	N	15	N
0195	N	N	15	50	50	50	N	<20	15	50	N	15	N
0197	N	N	15	50	50	50	N	<20	15	50	N	15	N
0199	N	N	10	50	20	50	N	<20	15	30	N	15	N
0201	N	N	10	70	50	50	N	<20	15	50	N	15	N
0203	N	N	20	100	50	150	N	<20	30	50	N	20	N
0205	N	N	15	50	50	100	N	<20	15	50	N	20	N
0207	N	N	20	100	50	100	N	<20	20	50	N	20	N
0209	N	N	15	100	30	200	N	<20	20	50	N	20	N
0211	N	N	15	70	50	100	N	<20	20	70	N	20	N
0213	N	N	15	50	50	100	N	N	15	50	N	20	N
0215	N	N	15	70	30	100	N	N	20	50	N	20	N
0217	N	N	20	100	50	70	N	N	20	70	N	20	N
0219	N	N	20	100	50	70	N	N	20	70	N	20	N
0221	N	N	15	100	30	70	N	N	15	70	N	20	N
0223	N	N	15	30	30	50	N	N	15	70	N	15	N
0225	N	N	20	100	30	50	N	N	20	50	N	20	N
0227	N	N	15	100	30	50	N	N	15	50	N	20	N
0229	N	N	20	100	30	50	N	N	20	50	N	20	N
0231	N	N	15	70	30	50	N	N	20	50	N	20	N
0233	N	N	15	100	50	50	N	N	20	50	N	20	N
0235	N	N	15	100	50	50	N	N	15	50	N	20	N
0237	N	N	15	50	30	50	N	<20	20	70	N	20	N
0239	N	N	15	100	30	50	N	20	20	30	N	20	N
0241	N	N	20	150	30	50	N	20	20	50	N	20	N
0243	N	N	10	100	30	30	N	20	<5	30	N	20	N
0245	N	N	5	20	30	70	N	<20	5	50	N	10	N
0247	N	N	7	50	20	50	N	<20	10	30	N	10	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
0159	500	100	N	20	N	100	N	5.0	95	.4	N	N
0161	200	70	N	20	N	300	N	<5.0	60	.3	N	N
0163	300	100	N	50	N	100	N	N	140	.4	N	N
0165	500	150	N	50	N	200	N	N	55	.3	N	N
0167	500	100	N	50	N	200	N	<5.0	65	.2	N	N
0169	700	100	N	20	N	150	N	N	25	.1	N	N
0171	500	100	N	20	N	150	N	<5.0	75	.4	N	N
0173	500	200	N	50	N	200	N	<5.0	35	.2	N	N
0175	500	100	N	50	N	300	N	<5.0	55	.3	N	N
0177	500	150	N	70	N	300	N	N	50	.2	N	N
0179	300	150	N	50	N	200	N	<5.0	80	.6	N	N
0181	300	150	N	50	N	200	N	<5.0	60	.4	N	N
0183	300	150	N	70	N	300	N	<5.0	130	.5	N	N
0185	200	100	N	50	N	300	N	<5.0	100	.3	N	N
0187	300	150	N	50	N	150	N	<5.0	60	.5	N	N
0189	300	100	N	30	N	150	N	<5.0	45	.2	N	N
0191	300	150	N	100	N	1,000	N	<5.0	35	.2	N	N
0193	500	100	N	50	N	200	N	<5.0	70	.4	N	N
0195	200	100	N	50	N	300	N	<5.0	65	.4	N	<1
0197	200	100	N	50	N	150	N	5.0	75	.4	N	<1
0199	200	100	N	50	N	200	N	<5.0	55	.2	N	N
0201	300	100	N	50	N	100	N	<5.0	50	.3	N	<1
0203	500	100	N	50	N	300	N	<5.0	65	.2	N	N
0205	500	150	N	50	N	300	N	5.0	75	.4	N	N
0207	300	150	N	100	N	700	N	5.0	110	.4	N	N
0209	500	150	N	70	N	1,000	N	<5.0	95	.3	N	N
0211	500	150	N	70	N	1,000	N	5.0	110	.4	N	N
0213	500	150	N	70	N	300	N	5.0	65	.3	N	N
0215	700	150	N	50	N	500	N	5.0	50	.2	N	N
0217	300	150	N	50	N	200	N	<5.0	40	.2	N	N
0219	300	150	N	70	N	300	N	<5.0	65	.2	N	<1
0221	200	150	N	50	N	300	N	5.0	45	.3	N	N
0223	200	100	N	50	N	100	N	5.0	65	.3	N	N
0225	200	150	N	50	N	300	N	5.0	50	.2	N	1
0227	300	150	N	70	N	300	N	<5.0	80	.2	N	N
0229	300	150	N	70	N	500	N	5.0	100	.3	N	N
0231	200	150	N	50	N	200	N	<5.0	90	.2	N	N
0233	200	150	N	50	N	300	N	5.0	85	.3	N	1
0235	300	150	N	50	N	300	N	<5.0	60	.2	N	N
0237	150	100	N	50	N	150	N	<5.0	100	.4	N	<1
0239	100	200	N	50	N	300	N	<5.0	75	.1	N	N
0241	150	200	N	50	N	300	N	<5.0	110	.2	N	N
0243	15	200	N	50	N	500	N	N	90	.2	N	N
0245	150	100	N	30	N	100	N	<5.0	100	.4	N	N
0247	200	100	N	20	N	100	N	N	55	.2	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
0249	38 3 20	105 41 24	7.0	.7	1.5	.50	2,000	N	N	N	20	700	2.0
0251	38 3 8	105 41 42	5.0	.7	1.5	.50	1,000	N	N	N	50	700	2.0
0253	38 2 32	105 42 34	7.0	1.0	.5	.50	1,000	N	N	N	50	500	2.0
0255	38 1 53	105 43 16	5.0	1.0	1.0	.50	1,500	N	N	N	70	700	2.0
0257	38 2 11	105 43 10	7.0	.7	1.5	.50	1,500	N	N	N	50	700	2.0
0259	38 2 53	105 43 1	10.0	.7	2.0	.70	2,000	N	N	N	70	700	2.0
0261	37 51 15	105 26 43	5.0	1.0	2.0	.50	1,000	N	N	N	10	700	1.5
0263	37 51 25	105 26 29	7.0	1.0	2.0	.70	1,500	N	N	N	20	700	1.5
0265	37 51 10	105 26 30	7.0	1.0	2.0	.50	1,000	N	N	N	20	700	1.5
0267	37 50 10	105 26 18	7.0	1.0	2.0	.70	1,500	N	N	N	20	700	1.5
0269	37 49 43	105 26 55	7.0	1.0	2.0	.70	1,500	N	N	N	20	500	1.5
0271	37 49 40	105 25 2	10.0	1.0	2.0	.50	1,000	N	N	N	20	500	1.0
0273	37 49 9	105 27 39	5.0	1.0	1.5	.50	1,000	N	N	N	10	500	1.0
0275	37 48 41	105 28 20	5.0	1.0	1.5	.50	1,000	N	N	N	10	500	1.5
0277	37 46 28	105 30 26	5.0	1.0	2.0	.50	1,000	N	N	N	10	700	1.5
0279	38 6 52	105 40 11	3.0	1.0	.5	.30	1,000	N	N	N	200	500	2.0
0281	38 6 27	105 40 27	7.0	1.0	.5	.50	1,000	N	N	N	200	500	2.0
0283	38 6 15	105 40 51	7.0	1.0	.5	.50	1,000	N	N	N	100	700	2.0
0285	38 6 14	105 41 22	10.0	1.0	1.0	.70	1,500	N	N	N	100	700	2.0
0287	38 6 17	105 41 37	5.0	1.5	.5	.50	1,000	N	N	N	100	500	2.0
0289	38 6 16	105 41 39	5.0	1.5	1.0	.50	1,000	N	N	N	10	700	2.0
0291	38 6 21	105 42 8	7.0	1.0	1.0	.50	1,000	N	N	N	50	700	2.0
0293	38 6 15	105 42 30	5.0	1.0	1.0	.30	1,000	N	N	N	20	500	2.0
0295	38 6 6	105 42 25	5.0	1.0	.5	.50	2,000	N	N	N	50	700	2.0
0297	38 5 56	105 42 46	20.0	1.0	.7	1.00	2,000	N	N	N	100	700	1.5
0299	38 6 0	105 42 58	3.0	1.0	1.0	.50	2,000	N	N	N	20	700	2.0
0301	38 5 29	105 44 34	2.0	.7	1.0	.50	1,500	N	N	N	50	700	2.0
0303	38 5 32	105 44 36	5.0	1.0	.5	.70	1,500	N	N	N	50	500	2.0
0305	38 4 39	105 45 42	15.0	1.0	1.5	1.00	5,000	N	N	N	50	700	1.5
0307	38 22 9	105 57 47	5.0	1.0	1.5	.50	5,000	N	N	N	20	300	2.0
0309	38 22 5	105 57 49	3.0	1.0	1.5	.30	5,000	N	N	N	10	300	2.0
0311	38 21 27	105 58 7	7.0	1.5	3.0	.70	5,000	N	N	N	20	300	2.0
0313	38 21 57	105 57 8	3.0	1.0	1.5	.30	3,000	N	N	N	10	300	2.0
0315	38 21 4	105 57 35	5.0	1.0	1.5	.70	3,000	N	N	N	20	300	2.0
0317	38 27 58	106 2 4	2.0	1.0	1.0	.20	500	N	N	N	10	200	1.5
0319	38 27 53	106 2 2	5.0	1.5	1.5	.30	1,500	N	N	N	10	500	1.5
0321	38 25 51	106 1 56	2.0	1.0	1.0	.30	500	N	N	N	10	200	2.0
0323	38 25 9	106 1 55	5.0	1.0	1.0	.30	1,000	N	N	N	20	500	2.0
0325	38 26 17	106 0 39	3.0	1.0	1.0	.30	1,000	N	N	N	20	300	2.0
0327	38 25 37	106 0 15	7.0	1.0	1.5	.50	1,000	N	N	N	10	500	2.0
0329	38 24 36	106 0 13	5.0	1.0	1.0	.30	1,000	N	N	N	20	500	2.0
0331	38 26 51	106 1 11	5.0	1.0	1.0	.30	1,000	N	N	N	20	500	2.0
0333	38 26 22	105 58 17	5.0	1.0	1.5	.30	1,500	N	N	N	10	500	1.5
0335	38 25 36	105 59 46	5.0	.7	1.5	.30	500	N	N	N	10	500	2.0
0337	38 27 42	106 0 41	7.0	1.0	1.0	.50	1,000	N	N	N	10	300	2.0

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
0249	N	7	50	70	100	N	<20	10	30	N	15	N
0251	N	10	70	30	50	N	20	10	30	N	15	N
0253	N	10	50	30	50	N	<20	15	30	N	15	N
0255	N	10	30	30	70	N	<20	10	30	N	15	N
0257	N	10	50	30	50	N	<20	5	30	N	15	N
0259	N	10	100	50	70	N	20	5	30	N	15	N
0261	N	7	20	20	70	N	<20	7	20	N	10	N
0263	N	10	50	30	70	N	<20	5	20	N	20	N
0265	N	10	50	30	70	N	<20	10	30	N	15	N
0267	N	15	30	50	70	N	<20	10	30	N	20	N
0269	N	20	30	30	70	N	<20	5	30	N	20	N
0271	N	20	100	30	70	N	<20	10	30	N	20	N
0273	N	15	30	20	70	N	<20	10	30	N	20	N
0275	N	15	30	20	70	N	<20	5	30	N	20	N
0277	N	10	30	10	100	N	<20	10	30	N	20	N
0279	N	10	50	50	50	N	<20	15	50	N	15	N
0281	N	10	100	50	50	N	<20	15	50	N	20	N
0283	N	10	70	50	50	N	<20	15	50	N	20	N
0285	N	15	150	50	70	N	<20	10	50	N	20	N
0287	N	15	100	30	50	N	<20	20	50	N	20	N
0289	N	15	100	30	70	N	<20	30	50	N	20	N
0291	N	10	100	30	50	N	<20	20	70	N	20	N
0293	N	10	30	30	50	N	<20	15	30	N	20	N
0295	N	10	50	30	50	N	<20	10	20	N	20	N
0297	N	20	200	50	100	N	<20	15	20	N	30	N
0299	N	10	50	30	70	N	<20	15	30	N	15	N
0301	N	10	20	30	50	N	<20	15	50	N	10	N
0303	N	10	50	30	50	N	<20	15	30	N	15	N
0305	N	15	150	30	70	N	20	5	50	N	20	N
0307	N	10	50	20	50	N	<20	10	10	N	15	N
0309	N	10	50	15	50	N	<20	10	10	N	15	N
0311	N	20	150	50	300	N	20	20	30	N	30	N
0313	N	10	70	15	100	N	<20	15	30	N	10	N
0315	N	15	70	50	100	N	20	20	30	N	20	N
0317	N	10	20	10	50	N	<20	10	15	N	7	N
0319	N	10	70	15	100	N	<20	20	20	N	15	N
0321	N	10	30	10	50	N	<20	15	10	N	10	N
0323	N	15	50	50	50	N	<20	20	30	N	10	N
0325	N	10	100	50	70	N	<20	30	50	N	10	N
0327	N	15	100	50	70	N	<20	30	50	N	20	N
0329	N	15	70	30	50	N	<20	20	50	N	15	N
0331	N	15	50	30	50	N	<20	20	50	N	15	N
0333	N	15	50	20	50	N	<20	20	20	N	15	N
0335	N	10	20	10	50	N	<20	10	20	N	10	N
0337	N	20	70	50	50	N	20	20	20	N	20	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
0249	200	150	N	70	N	200	N	N	120	.3	N	<1
0251	200	100	N	50	N	300	N	N	60	.2	N	N
0253	100	150	N	70	N	300	N	N	75	.1	N	N
0255	200	150	N	30	N	200	N	N	60	.2	N	N
0257	300	200	N	70	N	700	N	N	45	.1	N	N
0259	300	200	N	50	N	500	N	N	40	.1	N	N
0261	700	1,500	N	50	N	150	N	N	35	.1	N	N
0263	700	150	N	50	N	500	N	N	45	.1	N	N
0265	700	200	N	50	N	200	N	N	80	.1	N	N
0267	700	300	N	50	N	300	N	N	140	.1	N	N
0269	700	300	N	50	N	500	N	N	110	.2	N	N
0271	700	200	N	50	N	500	N	N	120	.1	N	N
0273	700	200	N	50	N	300	N	N	120	.1	N	N
0275	700	200	N	50	N	500	N	N	85	.1	N	N
0277	1,000	150	N	70	N	100	N	<5.0	40	N	N	N
0279	150	100	N	20	N	200	N	5.0	70	.1	N	N
0281	200	100	N	50	N	500	N	5.0	65	N	N	N
0283	200	150	N	50	N	200	N	<5.0	100	.1	N	N
0285	200	200	N	70	N	500	N	N	75	.1	N	N
0287	100	100	N	50	N	200	N	<5.0	85	.1	N	N
0289	300	100	N	50	N	200	N	N	90	.1	N	N
0291	200	200	N	50	N	200	N	N	75	.2	N	N
0293	200	100	N	50	N	150	N	N	100	.2	N	N
0295	150	100	N	50	N	300	N	N	75	.1	N	N
0297	100	200	N	70	N	200	N	N	65	.1	N	N
0299	200	100	N	50	N	200	N	N	85	.2	N	N
0301	200	70	N	20	N	200	N	N	170	.6	N	N
0303	150	100	N	30	N	150	N	N	85	.1	N	N
0305	200	200	N	70	N	500	N	N	55	N	N	N
0307	100	70	N	50	N	300	N	N	30	.2	N	<1
0309	150	70	N	50	N	200	N	N	35	N	N	N
0311	200	200	N	70	N	300	N	N	45	.1	N	N
0313	150	70	N	50	N	200	N	N	65	.2	N	N
0315	150	150	N	70	N	200	N	N	95	.1	N	N
0317	100	50	N	50	N	200	N	N	25	.2	N	N
0319	100	100	N	50	200	300	N	N	90	.2	N	N
0321	100	70	N	50	N	300	N	N	35	.1	N	N
0323	100	100	N	100	N	200	N	N	65	.3	N	N
0325	100	100	N	50	N	200	N	N	60	.3	N	N
0327	200	200	N	50	N	300	N	N	55	.2	N	N
0329	150	100	N	50	N	200	N	N	50	.3	N	N
0331	150	100	N	50	N	300	N	N	60	.6	N	N
0333	200	100	N	150	N	200	N	N	25	N	N	<1
0335	200	70	N	70	N	300	N	<5.0	30	.2	N	N
0337	200	200	N	70	N	300	N	5.0	65	.2	<2	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
0339	38 29 3	105 58 31	3.0	1.0	1.5	.30	700	N	N	N	10	500	2.0
0341	38 29 13	105 58 32	3.0	.7	1.0	.30	700	N	N	N	10	500	2.0
0343	38 29 41	105 58 15	3.0	.7	1.0	.50	1,000	N	N	N	10	500	2.0
0345	38 29 44	105 58 31	5.0	.7	1.5	.50	1,000	N	N	N	10	500	2.0
0347	38 29 46	105 59 7	3.0	.7	1.0	.50	700	N	N	N	10	500	2.0
0349	37 47 27	105 28 31	7.0	.7	1.5	.50	700	N	N	N	10	500	2.0
0351	37 47 7	105 28 42	3.0	.7	1.5	.30	500	N	N	N	10	700	1.5
0353	37 46 55	105 29 0	5.0	.7	1.5	.30	500	N	N	N	10	700	1.5
0355	37 47 n	105 29 6	20.0	.7	.7	.50	1,500	N	N	N	10	500	1.0
0357	37 46 10	105 28 35	10.0	.7	1.0	.50	1,000	N	N	N	10	500	1.0
0359	37 46 17	105 29 22	7.0	.7	1.5	.50	1,000	N	N	N	10	1,000	1.0
0361	37 46 52	105 27 28	10.0	1.0	1.5	.70	1,000	N	N	N	10	1,000	1.0
0363	37 46 54	105 27 39	10.0	1.0	1.5	.50	1,500	N	N	N	10	1,000	1.0
0365	37 46 53	105 27 48	7.0	1.0	1.5	.50	1,000	N	N	N	10	1,000	1.0
0367	37 46 41	105 28 23	2.0	.7	1.5	.30	300	N	N	N	10	1,000	1.5
0369	37 46 27	105 29 24	5.0	1.0	1.5	.50	500	N	N	N	10	700	1.5
0371	37 41 45	105 27 19	7.0	1.0	1.5	.50	1,000	N	N	N	20	700	1.5
0373	37 41 52	105 27 17	5.0	.7	1.5	.50	1,000	N	N	N	20	700	1.5
0375	37 42 10	105 27 20	7.0	1.0	1.5	.70	1,000	N	N	N	20	700	1.5
0377	37 42 18	105 27 49	7.0	1.0	1.0	.50	1,000	N	N	N	20	500	1.5
0379	37 42 18	105 27 17	7.0	1.0	2.0	.50	1,000	N	N	N	30	1,000	1.5
0381	37 40 24	105 29 26	5.0	1.0	1.0	.30	500	N	N	N	20	1,000	2.0
0383	37 39 55	105 30 12	5.0	1.0	1.5	.50	500	N	N	N	20	1,000	2.0
0385	37 39 43	105 30 3	5.0	1.0	1.5	.30	700	N	N	N	20	700	1.5
0387	37 39 24	105 30 56	7.0	1.0	1.5	.50	1,000	N	N	N	20	1,000	2.0
0389	37 39 25	105 30 57	5.0	1.0	1.5	.50	700	N	N	N	20	1,000	1.5
0391	37 39 10	105 30 6	7.0	1.0	1.5	.50	1,000	N	N	N	20	700	1.5
0393	37 38 56	105 31 7	5.0	1.0	1.5	.50	1,000	N	N	N	20	700	1.5
0395	37 39 0	105 32 2	7.0	1.0	1.5	.50	1,000	N	N	N	20	700	1.5
0397	37 39 2	105 32 3	7.0	1.0	1.5	.50	1,000	N	N	N	20	1,000	1.5
0399	37 38 56	105 32 48	5.0	1.0	2.0	.50	1,000	N	N	N	20	1,000	1.5
0401	37 38 58	105 32 47	7.0	1.0	2.0	.50	1,000	N	N	N	20	1,000	1.5
0403	37 32 7	105 31 14	5.0	1.0	2.0	.50	1,000	N	N	N	70	700	1.5
0405	37 32 3	105 31 7	5.0	1.0	1.0	.50	1,000	N	N	N	50	700	1.5
0407	37 31 57	105 31 2	5.0	1.0	1.5	.50	1,500	N	N	N	50	700	1.5
0411	37 31 2	105 32 3	5.0	1.0	1.5	.50	1,500	N	N	N	50	700	1.5
0413	37 31 5	105 32 12	5.0	1.0	1.5	.50	1,500	N	N	N	50	700	1.5
0415	37 31 33	105 32 27	3.0	.7	1.5	.30	1,000	N	N	N	50	500	1.5
0417	37 33 42	105 30 40	5.0	2.0	2.0	.50	1,000	N	N	N	70	500	1.0
0419	37 33 37	105 31 19	5.0	1.5	1.5	.50	1,000	N	N	N	50	500	1.5
0421	37 33 48	105 29 7	3.0	2.0	2.0	.50	1,000	N	N	N	30	700	1.5
0423	37 34 30	105 27 50	5.0	1.5	2.0	.50	1,500	N	N	N	30	700	1.5
0425	37 34 35	105 28 8	3.0	1.5	2.0	.50	1,500	N	N	N	20	700	1.5
0427	37 35 37	105 27 21	5.0	1.0	1.5	.50	1,500	N	N	N	100	700	2.0
0429	37 35 55	105 27 22	5.0	1.0	2.0	.50	1,500	N	N	N	20	500	1.5

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
0339	N	N	10	20	20	50	N	<20	10	20	N	15	N
0341	N	N	10	20	20	50	N	<20	10	20	N	10	N
0343	N	N	15	30	20	50	N	<20	10	30	N	10	N
0345	N	N	15	50	30	70	N	<20	15	50	N	15	N
0347	N	N	15	20	30	70	N	<20	10	50	N	10	N
0349	N	N	20	50	30	70	N	<20	15	30	N	15	N
0351	N	N	15	20	15	70	N	<20	10	20	N	10	N
0353	N	N	15	20	15	50	N	<20	10	20	N	15	N
0355	N	N	50	150	70	50	N	<20	20	30	N	20	N
0357	N	N	20	50	20	50	N	<20	10	30	N	15	N
0359	N	.	15	30	20	50	N	<20	10	30	N	15	N
0361	N	N	20	70	50	50	N	<20	10	50	N	20	N
0363	N	N	20	70	50	100	N	<20	10	50	N	20	N
0365	N	N	15	30	30	70	N	<20	10	50	N	20	N
0367	N	N	5	10	15	50	N	<20	5	50	N	7	N
0369	N	N	15	50	30	70	N	<20	20	30	N	20	N
0371	N	N	20	70	30	70	N	<20	20	50	N	20	N
0373	N	N	10	20	30	50	N	<20	10	30	N	15	N
0375	N	N	20	100	50	100	N	<20	20	30	N	20	N
0377	N	N	20	100	30	70	N	<20	20	30	N	20	N
0379	N	N	20	100	50	70	N	<20	20	30	N	20	N
0381	N	N	15	100	30	70	N	<20	50	30	N	15	N
0383	N	N	15	100	30	50	N	<20	30	30	N	15	N
0385	N	N	10	50	30	50	N	<20	20	30	N	10	N
0387	N	N	15	100	50	70	N	<20	30	30	N	20	N
0389	N	N	15	70	30	50	N	<20	30	30	N	20	N
0391	N	N	20	100	30	70	N	<20	20	30	N	20	N
0393	N	N	15	100	50	50	N	<20	20	30	N	20	N
0395	N	N	20	100	50	70	N	<20	30	20	N	20	N
0397	N	N	15	100	50	70	N	<20	20	30	N	20	N
0399	N	N	15	100	30	50	N	<20	20	30	N	20	N
0401	N	N	15	100	30	100	N	<20	20	20	N	20	N
0403	N	N	10	70	50	50	N	<20	20	50	N	20	N
0405	N	N	10	30	20	50	N	<20	10	50	N	20	N
0407	N	N	20	70	50	70	N	<20	20	50	N	20	N
0411	N	N	20	50	50	50	N	<20	15	30	N	20	N
0413	N	N	15	30	30	50	N	<20	15	30	N	15	N
0415	N	N	10	50	30	50	N	<20	15	70	N	10	N
0417	N	N	30	150	50	50	N	<20	100	50	N	20	N
0419	N	N	20	100	50	50	N	<20	50	50	N	20	N
0421	N	N	20	30	200	50	N	<20	20	50	N	20	N
0423	N	N	20	100	50	50	<5	<20	20	50	N	20	N
0425	N	N	10	100	20	50	<5	<20	15	30	N	20	N
0427	N	N	15	30	50	50	N	<20	20	30	N	20	N
0429	N	N	15	100	30	70	N	<20	15	50	N	30	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
0339	150	100	N	70	N	200	N	<5.0	50	.1	<2	N
0341	200	70	N	30	N	200	N	<5.0	45	.2	<2	N
0343	500	100	N	20	N	300	N	<5.0	60	.1	N	N
0345	500	150	N	30	N	300	N	<5.0	85	.1	N	N
0347	500	100	N	30	N	300	N	<5.0	65	.1	N	N
0349	700	150	N	50	N	300	N	<5.0	100	N	N	N
0351	700	100	N	30	N	100	N	<5.0	60	N	N	N
0353	700	100	N	50	N	150	N	<5.0	100	N	N	N
0355	500	300	N	50	200	300	N	<5.0	210	N	N	N
0357	500	200	N	50	<200	500	N	N	90	N	N	N
0359	700	200	N	50	N	300	N	<5.0	100	.6	N	N
0361	500	200	N	50	N	300	N	<5.0	140	.1	N	N
0363	700	200	N	50	N	500	N	<5.0	110	N	N	N
0365	500	200	N	50	N	300	N	<5.0	90	N	N	N
0367	700	50	N	20	N	100	N	N	35	N	N	N
0369	700	100	N	50	N	150	N	<5.0	70	N	N	N
0371	700	100	N	50	N	200	N	N	45	N	N	N
0373	700	100	N	50	N	200	N	<5.0	70	.1	N	N
0375	700	200	N	50	N	300	N	<5.0	75	N	N	N
0377	500	200	N	50	N	700	N	<5.0	60	N	N	N
0379	700	200	N	50	N	500	N	N	55	N	N	N
0381	500	100	N	30	N	200	N	N	55	N	N	N
0383	700	100	N	50	N	200	N	N	75	N	N	N
0385	500	100	N	70	N	200	N	N	70	.1	N	N
0387	500	150	N	70	N	200	N	N	65	N	N	N
0387	500	100	N	50	N	200	N	N	55	N	N	N
0391	500	200	N	50	N	300	N	N	85	N	N	N
0393	500	150	N	50	N	200	N	N	65	.1	N	N
0395	500	150	N	50	N	200	N	N	60	.2	N	N
0397	500	150	N	50	N	200	N	N	75	N	N	N
0399	700	100	N	50	N	100	N	N	55	N	N	N
0401	700	150	N	50	N	300	N	N	60	N	N	N
0403	500	100	N	50	N	300	N	N	55	N	N	N
0405	500	100	N	20	N	300	N	N	65	.2	N	N
0407	700	150	N	50	N	200	N	N	70	.2	N	N
0411	700	200	N	50	N	500	N	N	50	.1	N	N
0413	500	150	N	20	N	300	N	N	45	.1	N	N
0415	500	150	N	20	N	300	N	N	55	.3	N	N
0417	500	150	N	20	N	300	N	N	40	N	N	N
0419	500	200	N	20	N	300	N	N	65	.1	N	N
0421	500	200	N	20	N	50	N	N	90	.2	N	N
0423	500	200	N	30	N	300	N	N	65	.2	N	N
0425	700	150	N	50	N	200	N	N	35	N	N	N
0427	500	200	N	20	N	200	N	N	50	.2	N	N
0429	500	200	N	50	N	300	N	N	60	.1	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
0431	37 35 38	105 26 7	7.0	1.0	2.0	.50	1,000	N	N	N	50	700	2.0
0433	37 36 30	105 24 47	3.0	.7	1.0	.30	1,000	N	N	N	30	500	1.5
0435	37 36 34	105 24 46	5.0	.7	1.0	.30	1,000	N	N	N	50	500	1.5
0437	37 36 33	105 25 55	10.0	2.0	2.0	.50	1,500	N	N	N	30	300	1.0
0439	37 36 37	105 25 54	5.0	1.5	2.0	.50	1,000	N	N	N	50	500	1.5
0441	37 35 30	105 25 18	5.0	1.0	.7	.50	300	N	N	N	50	700	2.0
0443	37 38 31	105 25 20	5.0	.7	.7	.50	500	N	N	N	50	700	2.0
0445	38 25 25	106 1 22	5.0	1.0	1.5	.50	700	N	N	N	10	300	2.0
0447	38 25 37	106 1 28	5.0	1.0	1.0	.50	1,000	N	N	N	10	200	1.5
0449	38 25 13	106 2 8	5.0	1.0	1.0	.70	1,500	N	N	N	10	200	1.5
0451	38 25 18	106 2 10	3.0	1.0	1.0	.50	700	N	N	N	10	200	1.5
0453	38 25 56	106 2 0	2.0	.7	.7	.30	500	N	N	N	10	200	1.5
0455	38 25 24	106 2 43	5.0	1.0	1.5	.50	700	N	N	N	10	300	1.5
0457	38 25 18	106 2 50	5.0	1.0	1.0	.50	1,000	N	N	N	10	200	1.5
0459	38 24 37	106 2 37	2.0	.7	1.5	.20	700	N	N	N	10	300	1.5
0461	38 21 10	105 55 28	3.0	1.0	.7	.30	1,500	N	N	N	50	500	1.5
0463	38 21 11	105 55 32	3.0	1.0	1.0	.30	700	N	N	N	50	500	2.0
0465	38 21 4	105 55 37	3.0	1.0	1.0	.50	1,500	N	N	N	30	500	2.0
0467	38 20 55	105 55 57	5.0	1.0	1.0	.30	1,500	N	N	N	30	500	2.0
0469	38 20 57	105 55 59	5.0	1.0	1.5	.50	1,000	N	N	N	10	500	2.0
0471	38 7 28	105 42 32	5.0	1.0	.5	.50	1,000	N	N	N	100	500	2.0
0473	38 7 42	105 43 38	5.0	1.0	.5	.50	1,000	N	N	N	100	500	2.0
0475	38 7 41	105 43 37	5.0	1.0	.7	.50	1,000	N	N	N	100	500	2.0
0477	38 7 33	105 44 20	2.0	.7	.7	.30	1,000	N	N	N	70	500	2.0
0479	38 7 12	105 45 0	3.0	1.0	1.5	.50	1,000	N	N	N	70	1,000	2.0
0481	38 7 9	105 44 59	20.0	.7	.7	1.00	1,500	N	N	N	50	500	1.0
0483	38 7 4	105 44 59	7.0	.7	1.0	.50	1,500	N	N	N	70	500	2.0
0485	38 6 52	105 45 23	5.0	.7	1.0	.50	1,500	N	N	N	50	700	2.0
0487	38 6 23	105 45 35	7.0	.7	1.0	.70	1,000	N	N	N	20	700	2.0
0489	38 6 8	105 45 55	5.0	.7	1.0	.50	1,000	N	N	N	20	700	2.0
0491	38 6 1	105 46 4	5.0	.7	1.0	.50	1,000	N	N	N	20	700	2.0
0493	38 13 56	105 38 33	5.0	.7	1.0	.50	1,000	N	N	N	50	700	2.0
0495	38 14 18	105 39 3	5.0	.7	.7	.50	1,000	N	N	N	50	700	2.0
0497	38 14 43	105 39 43	7.0	.5	.5	.50	300	N	N	N	50	1,000	2.0
0499	38 14 56	105 40 24	5.0	.5	.5	.50	700	N	N	N	20	500	2.0
0501	38 15 30	105 40 33	7.0	.7	.7	.50	700	N	N	N	20	700	2.0
0503	38 15 40	105 40 40	5.0	.7	1.0	.50	500	N	N	N	10	500	2.0
0505	38 16 16	105 41 42	3.0	.5	1.0	.30	1,000	N	N	N	20	300	3.0
0507	38 17 4	105 42 24	5.0	1.0	1.0	.50	500	N	N	N	10	700	2.0
0509	38 17 33	105 42 59	5.0	1.0	.5	.50	500	N	N	N	20	700	2.0
0511	38 17 37	105 42 34	5.0	1.0	.7	.50	700	N	N	N	30	700	2.0
0513	38 0 40	105 37 20	5.0	1.0	1.5	.50	1,000	N	N	N	50	1,000	2.0
0515	38 0 15	105 38 55	7.0	1.0	1.5	.50	700	N	N	N	100	1,000	2.0
0517	38 4 37	105 44 0	7.0	1.0	1.0	.50	1,500	N	N	N	50	700	2.0
0519	38 4 33	105 43 54	2.0	.5	1.0	.30	1,000	N	N	N	50	300	3.0

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-GI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
0431	N	N	20	50	100	50	N	<20	20	50	N	20	N
0433	N	N	10	30	20	50	N	<20	10	50	N	10	N
0435	N	N	10	50	30	50	N	<20	20	50	N	10	N
0437	N	N	50	200	100	20	N	<20	50	20	N	30	N
0439	N	N	20	150	30	50	N	<20	30	20	N	30	N
0441	N	N	10	100	20	50	N	<20	20	30	N	10	N
0443	N	N	15	50	30	70	N	<20	20	30	N	15	N
0445	N	N	10	20	10	70	N	<20	5	15	N	15	N
0447	N	N	10	20	10	50	N	<20	5	10	N	10	N
0449	N	N	10	20	10	100	N	<20	5	10	N	20	N
0451	N	N	10	20	5	50	N	<20	7	10	N	15	N
0453	N	N	10	15	5	100	N	<20	7	10	N	10	N
0455	N	N	15	20	10	30	N	<20	10	10	N	20	N
0457	N	N	10	20	5	70	N	<20	7	10	N	20	N
0459	N	N	10	10	5	30	N	<20	7	<10	N	10	N
0461	N	N	15	50	50	50	N	<20	20	100	N	15	N
0463	N	N	10	50	20	70	N	<20	20	20	N	15	N
0465	N	N	10	70	20	70	N	<20	20	30	N	15	N
0467	N	N	10	100	50	150	N	<20	20	30	N	15	N
0469	N	N	10	50	20	70	N	20	15	20	N	20	N
0471	N	N	15	50	30	50	N	20	15	30	N	20	N
0473	N	N	10	70	30	50	N	20	15	30	N	20	N
0475	N	N	15	50	30	70	N	<20	15	30	N	20	N
0477	N	N	10	20	20	50	N	<20	10	30	N	10	N
0479	N	N	15	70	50	70	N	<20	15	30	N	20	N
0481	N	N	20	200	50	30	N	<20	10	20	N	30	N
0483	N	N	10	70	30	70	N	<20	15	30	N	20	N
0485	N	N	15	50	50	50	N	<20	15	50	N	20	N
0487	N	N	10	100	30	70	N	20	10	30	N	20	N
0489	N	N	15	20	50	50	N	<20	10	50	N	20	N
0491	N	N	10	30	20	70	N	<20	10	30	N	15	N
0493	N	N	10	50	30	70	N	20	10	50	N	20	N
0495	N	N	15	50	30	50	N	20	15	50	N	20	N
0497	N	N	10	70	20	70	N	20	10	30	N	20	N
0499	N	N	10	50	20	70	N	20	10	20	N	15	N
0501	N	N	10	70	20	50	N	20	10	30	N	20	N
0503	N	N	10	30	10	50	N	<20	10	20	N	10	N
0505	N	N	10	20	15	50	N	<20	10	70	N	10	N
0507	N	N	10	50	15	50	N	<20	10	70	N	15	N
0509	N	N	10	70	20	50	N	<20	10	30	N	10	N
0511	N	N	15	50	20	50	N	<20	15	30	N	15	N
0513	N	N	15	50	15	50	N	<20	10	30	N	20	N
0515	N	N	15	50	15	100	N	<20	10	30	N	20	N
0517	N	N	15	100	30	50	N	<20	15	50	N	20	N
0519	N	N	10	30	50	70	N	<20	10	30	N	10	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
0431	500	200	N	30	N	300	N	N	75	.3	N	N
0433	500	150	N	20	N	200	N	N	55	.2	N	N
0435	300	100	N	20	N	200	N	N	50	N	N	N
0437	300	200	N	20	N	300	N	N	55	N	N	N
0439	500	200	N	30	N	500	N	N	35	N	N	N
0441	300	100	N	20	N	300	N	N	60	N	N	N
0443	300	150	N	20	N	300	N	N	50	N	N	N
0445	200	100	N	20	N	300	N	N	25	N	N	N
0447	150	100	N	20	N	300	N	N	30	N	N	N
0449	100	100	N	50	N	300	N	N	30	N	N	N
0451	150	100	N	20	N	300	N	N	20	N	N	N
0453	100	70	N	50	N	300	N	N	20	N	N	N
0455	100	100	N	100	N	300	N	N	30	N	N	N
0457	100	100	N	20	N	200	N	N	25	N	N	N
0459	200	70	N	20	N	150	N	N	20	N	N	N
0461	100	70	N	20	<200	300	N	N	200	.1	N	N
0463	100	70	N	50	N	200	N	N	50	N	N	N
0465	150	100	N	20	N	150	N	N	75	N	N	N
0467	150	100	N	50	N	150	N	N	65	N	N	N
0469	200	70	N	70	N	200	N	N	35	N	N	N
0471	150	70	N	50	N	300	N	N	55	N	N	N
0473	200	70	N	70	N	200	N	N	50	N	N	N
0475	300	100	N	50	N	200	N	N	70	N	N	N
0477	200	70	N	20	N	150	N	N	60	N	N	N
0479	200	70	N	50	N	200	N	N	55	N	N	N
0481	100	200	N	70	<200	500	N	N	40	N	N	N
0483	200	100	N	70	N	300	N	N	40	N	N	N
0485	200	100	N	70	N	500	N	N	65	N	N	N
0487	300	100	N	50	N	200	N	N	35	N	N	N
0489	200	100	N	50	N	300	N	N	60	N	N	N
0491	300	70	N	50	N	300	N	N	40	N	N	N
0493	200	100	N	50	N	300	N	N	55	N	N	N
0495	200	100	N	50	N	200	N	N	65	N	N	N
0497	200	100	N	50	N	500	N	N	40	N	N	N
0499	200	100	N	50	N	500	N	N	55	N	N	N
0501	200	100	N	50	N	300	N	N	50	N	N	N
0503	200	100	N	50	N	100	N	N	25	N	N	N
0505	200	100	N	50	N	200	N	N	55	N	N	N
0507	200	100	N	50	N	200	N	N	40	N	N	N
0509	200	100	N	50	N	300	N	N	40	N	N	N
0511	300	100	N	50	N	300	N	N	40	N	N	N
0513	300	150	N	50	N	200	N	N	35	N	N	N
0515	300	100	N	50	<200	1,000	N	N	45	N	N	N
0517	200	100	N	70	N	300	N	N	65	N	N	N
0519	150	70	N	50	<200	100	N	N	75	N	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
0521	38 4 12	105 45 28	5.0	.7	1.0	.50	1,500	N	N	N	50	500	2.0
0523	38 3 50	105 44 2	5.0	1.0	1.0	.50	1,500	N	N	N	50	700	2.0
0525	38 3 47	105 44 2	3.0	1.0	1.0	.30	1,000	N	N	N	50	700	2.0
0527	38 3 26	105 45 4	5.0	.7	1.0	.70	1,000	N	N	N	50	500	1.5
0529	38 3 36	105 45 30	7.0	.7	1.0	.70	1,500	N	N	N	70	500	1.5
0531	38 6 22	105 47 11	3.0	.7	1.0	.50	1,000	N	N	N	50	500	2.0
0533	38 6 19	105 47 10	2.0	.7	.5	.30	500	N	N	N	50	500	1.5
0535	38 7 10	105 47 0	5.0	.7	.7	.50	1,500	N	N	N	70	700	2.0
0537	38 1 23	105 43 10	5.0	.7	1.0	.50	1,000	N	N	N	100	700	2.0
0539	38 1 49	105 44 37	7.0	1.0	1.5	.50	1,000	N	N	N	50	1,000	2.0
0541	38 7 47	105 46 13	5.0	.7	1.0	.50	1,000	N	N	N	50	700	2.0
0543	38 7 52	105 46 11	5.0	.7	.7	.50	1,500	N	N	N	100	700	2.0
0545	38 7 32	105 47 4	10.0	1.0	1.0	.50	1,500	N	N	N	70	700	2.0
0547	38 1 43	105 44 29	5.0	.7	1.0	.50	1,500	N	N	N	100	1,000	2.0
0549	38 2 52	105 44 53	10.0	1.0	1.0	.70	1,000	N	N	N	50	700	2.0
0551	38 5 45	105 47 38	5.0	1.0	1.0	.50	1,000	N	N	N	100	700	2.0
0553	38 14 34	105 48 13	5.0	.7	.5	.30	500	N	N	N	100	500	2.0
0555	38 13 55	105 49 34	5.0	1.0	1.0	.50	700	N	N	N	150	500	2.0
0557	38 12 55	105 47 23	5.0	1.0	.5	.50	500	N	N	N	200	300	2.0
0559	38 12 43	105 47 56	5.0	1.0	.5	.50	500	N	N	N	150	500	2.0
0561	38 12 17	105 48 43	5.0	1.0	.5	.50	1,500	N	N	N	150	700	2.0
0563	38 11 47	105 47 23	5.0	1.0	.5	.50	1,000	N	N	N	150	700	2.0
0565	38 11 46	105 47 18	5.0	1.0	.5	.50	500	N	N	N	150	700	2.0
0567	38 2 3	105 30 56	10.0	1.0	.7	.50	1,000	N	N	N	50	700	2.0
0569	38 19 32	105 46 27	5.0	1.0	.5	.50	1,000	N	N	N	200	300	2.0
0571	38 21 43	105 50 6	5.0	1.0	.5	.50	1,000	N	N	N	100	700	2.0
3001	38 6 26	105 38 24	7.0	1.0	.5	.50	1,000	N	N	N	100	500	1.5
3003	38 6 40	105 38 9	5.0	1.0	.5	.50	700	N	N	N	100	500	1.5
3005	38 7 15	105 37 38	10.0	1.5	.7	.70	1,000	N	N	N	100	700	1.5
3007	38 6 57	105 36 58	5.0	1.0	.7	.50	1,000	N	N	N	100	500	1.5
3009	37 55 18	105 27 59	10.0	.7	1.5	.50	1,000	N	N	N	70	700	2.0
3011	37 55 15	105 27 56	5.0	.7	1.5	.50	500	N	N	N	20	700	2.0
3013	37 55 49	105 27 19	5.0	.7	1.5	.50	500	N	N	N	20	700	2.0
3015	37 57 45	105 29 16	7.0	.7	1.0	.50	700	N	N	N	20	700	2.0
3019	37 57 52	105 29 19	5.0	.7	1.0	.30	500	N	N	N	50	700	2.0
3021	38 5 14	105 40 37	7.0	1.0	.3	.50	1,500	N	N	N	70	500	2.0
3023	38 5 20	105 40 36	10.0	1.0	1.0	.50	3,000	N	N	N	20	500	2.0
3025	38 6 9	105 40 42	20.0	1.0	.5	.70	2,000	N	N	N	50	500	2.0
3027	38 23 22	105 58 19	2.0	.7	1.0	.20	1,500	N	N	N	20	500	2.0
3029	38 23 23	105 58 17	2.0	.7	1.0	.20	1,000	N	N	N	20	500	2.0
3031	38 23 26	105 59 10	2.0	.7	.7	.30	700	N	N	N	50	150	2.0
3033	38 22 57	105 58 38	5.0	.7	1.0	.50	700	N	N	N	20	300	2.0
3035	38 24 5	105 59 21	5.0	1.0	1.5	.50	1,000	N	N	N	20	300	2.0
3039	38 24 27	105 59 12	5.0	1.0	1.5	.70	1,000	N	N	N	20	200	1.5
3041	38 24 19	105 59 26	5.0	1.0	1.5	1.00	1,500	N	N	N	20	200	1.0

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-MB	S-NI	S-PB	S-SB	S-SC	S-SN
0521	N	N	15	100	20	50	N	<20	10	30	N	20	N
0523	N	N	15	100	100	50	N	<20	50	30	N	20	N
0525	N	N	20	100	300	70	N	<20	70	30	N	15	N
0527	N	N	10	70	20	100	N	20	10	30	N	20	N
0529	N	N	15	100	20	70	N	20	10	30	N	20	N
0531	N	N	10	20	70	50	N	<20	10	30	N	10	N
0533	N	N	15	10	10	50	N	<20	10	30	N	7	N
0535	N	N	15	30	150	100	N	<20	10	30	N	10	N
0537	N	N	10	30	10	70	N	<20	10	30	N	10	N
0539	N	N	15	50	20	70	N	<20	20	30	N	15	N
0541	N	N	10	50	50	50	N	<20	20	30	N	10	N
0543	N	N	10	50	50	50	N	<20	20	50	N	15	N
0545	N	N	15	100	50	70	N	<20	20	50	N	20	N
0547	N	N	10	50	30	100	N	<20	15	30	N	20	N
0549	N	N	20	150	50	100	N	<20	70	30	N	20	N
0551	N	N	15	50	30	70	N	<20	20	30	N	15	N
0553	N	N	10	50	50	70	N	<20	20	30	N	15	N
0555	N	N	15	70	50	70	N	<20	20	50	N	15	N
0557	N	N	10	50	30	70	N	<20	20	20	N	15	N
0559	N	N	15	50	50	70	N	<20	20	20	N	15	N
0561	N	N	15	50	70	70	N	<20	20	50	N	15	N
0563	N	N	15	50	50	70	N	<20	20	50	N	15	N
0565	N	N	15	70	100	70	N	<20	20	50	N	15	N
0567	N	N	15	150	50	70	N	<20	15	50	N	15	N
0569	N	N	10	70	30	50	N	<20	30	50	N	20	N
0571	N	N	15	100	30	50	N	<20	30	50	N	15	N
3001	N	N	15	70	30	50	N	<20	20	50	N	20	N
3003	N	N	15	50	30	50	N	<20	20	50	N	15	N
3005	N	N	15	70	50	50	N	20	20	50	N	20	N
3007	N	N	15	50	50	50	N	<20	20	50	N	20	N
3009	N	N	15	100	30	100	N	<20	20	30	N	20	N
3011	N	N	10	50	20	70	N	<20	15	30	N	15	N
3013	N	N	10	50	20	70	N	<20	15	30	N	15	N
3015	N	N	15	100	20	50	N	<20	10	30	N	20	N
3019	N	N	15	50	20	50	N	<20	15	30	N	10	N
3021	N	N	15	70	20	50	N	<20	15	20	N	15	N
3023	N	N	15	100	20	70	N	20	15	50	N	20	N
3025	N	N	20	150	50	70	N	20	20	30	N	20	N
3027	N	N	10	70	20	70	N	<20	15	50	N	10	N
3029	N	N	10	30	50	50	N	20	10	50	N	10	N
3031	N	N	10	20	<5	50	N	20	10	20	N	10	N
3033	N	N	10	50	10	100	N	<20	10	20	N	10	N
3035	N	N	15	70	20	50	N	<20	15	15	N	20	N
3039	N	N	15	20	10	150	N	<20	10	10	N	20	N
3041	N	N	20	30	20	50	N	<20	15	10	N	20	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SP	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
0521	200	100	N	70	<200	1,000	N	N	45	N	N	N
0523	300	70	N	50	N	200	N	N	70	N	N	N
0525	200	70	N	70	N	200	N	N	70	N	N	N
0527	200	100	N	50	N	700	N	N	45	N	N	N
0529	300	150	N	70	N	1,000	N	N	40	N	N	N
0531	200	70	N	50	N	500	N	N	30	N	N	N
0533	200	70	N	20	N	1,000	N	N	30	N	N	N
0535	300	100	N	50	N	500	N	N	20	N	N	N
0537	500	100	N	50	N	300	N	N	15	N	N	N
0539	300	100	N	50	N	300	N	N	20	N	N	N
0541	300	70	N	50	N	200	N	N	30	.1	N	N
0543	300	70	N	50	N	200	N	N	55	N	N	N
0545	500	100	N	50	N	300	N	N	35	N	N	N
0547	500	100	N	70	N	300	N	N	25	N	N	N
0549	150	150	N	70	N	300	N	N	30	N	N	N
0551	100	100	N	50	N	300	N	N	20	N	N	N
0553	100	100	N	50	N	200	N	N	45	N	N	N
0555	100	100	N	70	N	500	N	N	30	N	N	N
0557	100	70	N	50	N	200	N	N	30	N	N	N
0559	150	100	N	30	N	200	N	N	25	N	N	N
0561	150	100	N	20	N	200	N	N	55	N	N	N
0563	200	100	N	70	N	200	N	N	75	.3	N	N
0565	200	100	N	70	N	500	N	N	30	N	N	2
0567	300	200	N	50	N	300	N	N	30	N	N	2
0569	100	100	N	20	N	150	N	N	30	N	N	1
0571	100	100	N	50	N	300	N	N	35	N	N	N
3001	100	100	N	300	N	500	N	N	85	.4	N	N
3003	150	100	N	50	N	300	N	N	85	.3	N	N
3005	150	150	N	50	N	300	N	N	80	N	N	N
3007	150	100	N	50	N	300	N	N	90	N	N	N
3009	500	200	N	70	N	300	N	N	60	N	N	N
3011	500	150	N	50	N	300	N	N	45	N	N	N
3013	700	150	N	50	N	300	N	N	50	.2	N	N
3015	500	150	N	50	N	300	N	N	45	N	N	N
3019	500	100	N	20	N	150	N	N	60	N	N	N
3021	<100	150	N	50	N	200	N	N	80	.1	N	N
3023	200	200	N	70	N	200	N	N	100	N	N	N
3025	100	200	N	50	N	200	N	N	60	N	N	N
3027	100	70	N	70	N	200	N	N	35	N	N	N
3029	200	70	N	30	N	200	N	N	50	.1	N	N
3031	100	70	N	20	N	200	N	N	15	N	N	N
3033	100	70	N	100	N	300	N	N	20	N	N	N
3035	200	150	N	100	N	300	N	N	25	N	N	N
3037	100	150	N	100	N	200	N	N	20	N	N	N
3041	150	200	N	20	N	200	N	N	20	N	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
3043	38 23 56	105 59 41	7.0	1.0	2.0	.70	1,500	N	N	N	20	200	1.0
3045	38 25 53	105 58 0	5.0	1.0	2.0	.50	1,500	N	N	N	10	200	1.5
3047	38 26 0	105 58 10	3.0	1.0	2.0	.30	700	N	N	N	20	200	2.0
3049	38 25 47	105 57 40	2.0	.7	1.5	.20	700	N	N	N	10	300	1.5
3051	38 25 44	105 57 31	3.0	1.0	1.0	.20	1,000	N	N	N	10	500	1.5
3053	38 25 47	105 57 5	2.0	.7	1.0	.30	300	N	N	N	30	100	1.5
3055	38 26 9	105 57 10	5.0	1.0	1.5	.50	1,500	N	N	N	20	200	1.5
3057	38 26 10	105 57 16	5.0	1.0	1.5	.30	1,500	N	N	N	20	500	1.5
3059	38 26 36	105 57 40	3.0	1.0	1.0	.30	500	N	N	N	20	300	1.5
3061	38 26 35	105 57 39	3.0	1.0	1.0	.20	500	N	N	N	10	300	2.0
3063	38 27 10	105 57 54	7.0	1.0	2.0	1.00	1,500	N	N	N	20	500	1.0
3065	38 27 18	105 57 50	5.0	1.0	2.0	.50	1,500	N	N	N	20	700	1.5
3067	38 27 27	105 57 52	5.0	1.0	1.0	.30	1,000	N	N	N	10	300	1.5
3069	38 27 41	105 57 30	3.0	1.0	1.0	.30	1,000	N	N	N	20	300	1.5
3071	38 22 48	105 55 26	5.0	1.0	1.0	.30	1,500	N	N	N	20	500	1.5
3073	38 22 45	105 55 22	5.0	1.0	1.5	.30	1,500	N	N	N	10	500	1.5
3075	38 23 36	105 54 11	5.0	1.5	1.5	.30	2,000	N	N	N	10	700	1.5
3077	38 23 34	105 54 10	3.0	1.0	1.5	.20	1,000	N	N	N	10	500	1.5
3079	38 23 55	105 53 11	2.0	7.0	10.0	.15	1,000	N	N	N	50	100	1.0
3081	38 24 20	105 52 50	3.0	2.0	5.0	.50	700	N	N	N	100	200	2.0
3083	38 24 21	105 52 54	5.0	3.0	5.0	.50	1,500	N	N	N	70	300	1.5
3085	38 21 50	105 53 54	7.0	3.0	3.0	.50	2,000	N	N	N	20	500	1.5
3087	38 23 35	105 51 22	5.0	1.5	1.5	.50	1,000	N	N	N	70	700	1.5
3089	37 45 50	105 27 57	5.0	.7	1.5	.50	1,000	N	N	N	10	700	1.5
3091	37 45 53	105 27 57	5.0	1.0	2.0	.50	1,000	N	N	N	10	1,000	1.5
3093	37 45 23	105 29 29	5.0	1.0	2.0	.70	1,500	N	N	N	10	700	1.5
3095	37 45 0	105 29 26	5.0	.7	1.5	.50	1,000	N	N	N	10	700	1.5
3097	37 45 2	105 29 23	7.0	1.0	2.0	.70	1,500	N	N	N	20	1,000	1.5
3099	37 44 35	105 29 30	5.0	1.0	1.5	.50	1,000	N	N	N	10	1,000	1.5
3101	37 44 34	105 29 53	5.0	1.0	1.5	.50	1,000	N	N	N	10	1,000	1.5
3103	37 42 36	105 29 17	5.0	1.0	2.0	.50	700	N	N	N	10	500	1.5
3105	37 42 39	105 29 15	5.0	1.0	2.0	.50	700	N	N	N	10	500	1.5
3107	37 42 56	105 29 48	5.0	1.0	2.0	.50	1,000	N	N	N	10	700	1.5
3109	37 43 1	105 29 59	7.0	.7	2.0	.70	3,000	N	N	N	20	700	1.0
3111	37 43 3	105 30 10	5.0	.7	1.5	.30	1,000	N	N	N	20	700	1.5
3113	37 45 26	105 26 10	5.0	.7	1.5	.30	1,000	N	N	N	10	700	1.5
3115	37 45 21	105 25 50	5.0	.7	1.5	.30	1,000	N	N	N	20	700	2.0
3117	37 45 40	105 25 39	7.0	1.0	2.0	.50	1,500	N	N	N	20	700	1.5
3119	37 45 38	105 25 40	7.0	1.0	2.0	.50	1,500	N	N	N	20	700	1.5
3121	37 46 4	105 25 30	7.0	.7	2.0	.50	1,000	N	N	N	20	700	1.5
3123	37 46 14	105 25 34	5.0	.7	2.0	.50	1,000	N	N	N	10	1,000	1.5
3125	37 44 25	105 25 35	10.0	1.0	1.5	.70	1,500	N	N	N	20	500	1.0
3127	37 46 55	105 25 47	5.0	1.0	2.0	.50	1,000	N	N	N	20	1,000	1.5
3129	37 47 1	105 25 21	5.0	1.0	2.0	.50	700	N	N	N	15	1,000	1.5
3131	37 47 20	105 25 9	5.0	1.0	2.0	.50	1,000	N	N	N	10	1,000	1.5

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-AU	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
3043	N	N	20	70	50	50	N	<20	15	10	N	30	N
3045	N	N	20	150	50	50	N	<20	50	20	N	20	N
3047	N	N	15	100	70	50	N	<20	50	20	N	15	N
3049	N	N	10	30	10	50	N	<20	10	15	N	10	N
3051	N	N	10	50	30	50	N	<20	20	15	N	10	N
3053	N	N	5	20	5	50	N	20	10	10	N	5	N
3055	N	N	10	50	20	100	N	<20	15	10	N	10	N
3057	N	N	10	70	30	70	N	<20	20	10	N	15	N
3059	N	N	10	50	10	50	N	<20	20	10	N	15	N
3061	N	N	10	30	20	50	N	<20	10	10	N	10	N
3063	N	N	15	30	70	50	N	<20	15	15	N	20	N
3065	N	N	15	30	70	50	N	<20	15	30	N	20	N
3067	N	N	10	30	20	50	N	<20	15	15	N	15	N
3069	N	N	10	20	15	50	N	<20	10	10	N	10	N
3071	N	N	10	30	20	50	N	<20	10	30	N	10	N
3073	N	N	15	50	20	50	N	<20	20	20	N	15	N
3075	N	N	15	70	30	200	N	<20	20	20	N	20	N
3077	N	N	10	20	50	50	N	<20	10	30	N	10	N
3079	N	N	5	20	10	30	N	<20	10	100	N	5	N
3081	N	N	15	100	30	50	N	<20	30	30	N	10	N
3083	N	N	10	30	30	50	N	<20	10	20	N	15	N
3085	N	N	20	20	150	50	N	<20	10	50	N	20	N
3087	N	N	10	50	15	50	N	<20	15	20	N	15	N
3089	N	N	10	20	15	70	N	<20	5	30	N	10	N
3091	N	N	15	30	20	70	N	<20	10	30	N	15	N
3093	N	N	20	50	30	70	N	<20	10	30	N	15	N
3095	N	N	15	30	15	70	N	<20	10	30	N	10	N
3097	N	N	15	50	15	70	N	<20	10	30	N	20	N
3099	N	N	10	20	15	70	N	<20	10	20	N	10	N
3101	N	N	15	20	20	70	N	<20	10	20	N	15	N
3103	N	N	15	30	30	50	N	<20	15	20	N	20	N
3105	N	N	15	30	30	50	N	<20	15	30	N	20	N
3107	N	N	15	50	50	50	N	<20	15	20	N	20	N
3109	N	N	20	70	50	70	N	<20	10	50	N	20	N
3111	N	N	10	20	30	30	N	<20	10	50	N	15	N
3113	N	N	10	20	10	50	N	<20	5	50	N	15	N
3115	N	N	15	20	20	50	N	<20	10	50	N	15	N
3117	N	N	20	70	30	100	N	<20	10	50	N	20	N
3119	N	N	20	30	30	70	N	<20	15	50	N	20	N
3121	N	N	20	50	30	70	N	<20	10	50	N	20	N
3123	N	N	20	30	20	70	N	<20	15	50	N	20	N
3125	N	N	10	100	50	150	N	<20	20	50	N	20	N
3127	N	N	15	30	20	150	N	<20	15	50	N	20	N
3129	N	N	15	20	20	150	N	<20	5	50	N	20	N
3131	N	N	10	20	15	50	N	<20	5	50	N	20	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
3043	500	300	N	30	N	70	N	N	30	N	N	N
3045	500	200	N	30	N	300	N	N	25	N	N	N
3047	200	150	N	30	N	200	N	N	35	N	N	N
3049	150	70	N	10	N	300	N	N	20	N	N	N
3051	100	70	N	10	N	100	N	N	100	N	N	N
3053	100	70	N	30	N	200	N	N	15	N	N	N
3055	100	100	N	70	N	300	N	N	30	N	N	N
3057	150	150	N	50	N	200	N	N	60	N	N	N
3059	150	100	N	20	N	200	N	N	20	N	N	N
3061	100	100	N	20	N	200	N	N	50	N	N	N
3063	300	200	N	50	N	200	N	N	40	N	N	N
3065	500	200	N	50	N	300	N	N	65	N	N	N
3067	200	100	N	20	N	150	N	N	55	N	N	N
3069	150	100	N	20	N	200	N	N	40	N	N	N
3071	100	70	N	50	<200	150	N	N	70	.1	N	N
3073	200	100	N	30	N	200	N	N	60	N	N	N
3075	100	100	N	100	N	200	N	N	70	N	N	N
3077	100	100	N	500	N	200	N	N	85	N	N	N
3079	100	70	N	20	N	50	N	N	40	N	N	N
3081	100	100	N	50	N	200	N	N	80	N	N	N
3083	100	100	N	50	N	200	N	N	80	N	N	N
3085	300	200	N	30	<200	150	N	N	130	.2	N	N
3087	200	100	N	20	N	200	N	N	45	N	N	N
3089	500	100	N	30	N	100	N	N	35	N	N	N
3091	500	100	N	50	N	100	N	N	65	N	N	N
3093	500	200	N	50	N	300	N	N	70	N	N	N
3095	700	100	N	20	N	300	N	N	60	N	N	N
3097	1,000	200	N	70	N	300	N	N	70	N	N	N
3099	700	100	N	50	N	70	N	N	100	N	N	N
3101	700	200	N	50	N	300	N	N	65	N	N	N
3103	700	100	N	20	N	200	N	N	45	.1	N	N
3105	700	100	N	20	N	200	N	N	40	.1	N	N
3107	700	150	N	20	N	300	N	N	40	.2	N	N
3109	1,000	200	N	70	<200	300	N	N	75	.1	N	N
3111	700	100	N	20	N	100	N	N	45	N	N	N
3113	1,000	100	N	50	N	300	N	N	100	N	N	N
3115	700	100	N	50	N	200	N	N	85	.1	N	N
3117	1,000	200	N	70	<200	500	N	N	85	.1	N	N
3119	1,000	200	N	50	N	200	N	N	70	.1	1	N
3121	1,000	200	N	70	N	300	N	N	65	N	1	N
3123	1,000	100	N	50	N	100	N	<5.0	65	.1	55	N
3125	500	300	N	100	N	1,000	N	N	100	.1	1	N
3127	1,000	200	N	50	N	100	N	N	45	.1	1	N
3129	1,000	150	N	70	N	500	N	N	50	N	1	N
3131	1,000	150	N	50	N	500	N	N	55	N	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
3133	37 41 37	105 30 26	5.0	.7	2.0	.30	1,000	N	N	N	10	1,000	2.0
3135	37 41 40	105 31 32	5.0	1.0	2.0	.50	1,000	N	N	N	10	1,000	2.0
3137	37 42 0	105 31 15	5.0	1.0	2.0	.50	1,000	N	N	N	10	1,000	2.0
3139	37 42 20	105 31 7	5.0	1.0	2.0	.50	1,000	N	N	N	10	1,000	2.0
3141	37 42 37	105 30 58	5.0	1.0	2.0	.50	1,000	N	N	N	10	1,000	2.0
3143	37 42 51	105 30 49	10.0	1.0	2.0	1.00	2,000	N	N	N	20	1,000	1.5
3145	37 36 31	105 30 28	5.0	1.5	1.5	.50	1,000	N	N	N	20	700	2.0
3147	37 36 9	105 33 25	5.0	1.0	1.5	.30	1,000	N	N	N	20	700	2.0
3149	37 35 28	105 33 25	5.0	1.0	1.5	.50	1,000	N	N	N	20	700	2.0
3151	37 34 45	105 31 18	5.0	1.5	2.0	.50	1,500	N	N	N	20	700	2.0
3153	37 34 54	105 33 20	5.0	1.5	2.0	.50	1,000	N	N	N	20	700	2.0
3155	37 34 57	105 33 18	5.0	1.0	1.0	.50	1,000	N	N	N	30	700	1.5
3157	37 35 9	105 33 16	5.0	.7	1.0	.50	1,000	N	N	N	20	700	1.5
3159	37 34 4	105 30 37	5.0	2.0	2.0	.50	1,500	N	N	N	20	500	1.5
3161	37 34 9	105 31 50	5.0	1.5	1.5	.30	1,000	N	N	N	20	500	1.5
3163	37 33 26	105 33 17	3.0	.7	1.5	.50	1,000	N	N	N	30	500	1.5
3165	37 33 25	105 33 14	3.0	.7	1.5	.30	1,000	N	N	N	30	500	2.0
3167	37 33 38	105 33 31	5.0	1.0	2.0	.50	1,000	N	N	N	20	500	1.5
3169	37 33 3	105 33 25	5.0	1.0	2.0	.70	1,000	N	N	N	20	700	1.5
3171	37 32 55	105 33 20	3.0	1.0	2.0	.30	1,000	N	N	N	20	700	2.0
3173	37 32 41	105 33 11	5.0	1.0	1.5	.50	1,000	N	N	N	30	700	1.5
3175	37 32 35	105 33 12	3.0	.7	1.5	.30	1,000	N	N	N	30	700	1.5
3177	38 21 53	105 59 32	15.0	.7	.7	.70	2,000	N	N	N	50	500	1.5
3179	38 22 9	105 58 50	5.0	1.0	1.5	.30	1,000	N	N	N	50	500	2.0
3181	38 21 31	105 58 1	3.0	1.0	1.0	.30	1,000	N	N	N	20	700	1.5
3183	38 21 30	105 56 0	3.0	1.0	1.0	.30	1,000	N	N	N	20	700	1.5
3185	38 21 4	105 56 22	5.0	1.0	1.0	.30	1,000	N	N	N	20	700	2.0
3187	38 20 35	105 57 2	3.0	1.0	1.5	.30	2,000	N	N	N	10	700	2.0
3189	37 59 53	105 34 20	5.0	1.0	1.0	.50	1,000	N	N	N	50	700	2.0
3191	38 0 2	105 34 23	5.0	1.0	1.0	.50	2,000	N	N	N	70	700	2.0
3193	38 0 30	105 33 57	7.0	.7	1.0	.50	1,000	N	N	N	50	1,000	2.0
3195	38 0 46	105 33 30	7.0	1.0	1.0	.50	1,500	N	N	N	100	1,000	2.0
3197	38 0 43	105 33 30	7.0	1.0	1.0	.50	1,000	N	N	N	100	1,000	2.0
3199	38 1 30	105 32 11	10.0	1.0	1.0	.70	2,000	N	N	N	100	1,000	1.5
3201	38 1 20	105 30 55	5.0	.7	1.0	.50	1,000	N	N	N	30	700	2.0
3203	38 21 3	105 52 33	7.0	1.0	1.0	.50	1,500	N	N	N	200	700	2.0
3205	38 22 22	105 54 28	5.0	1.0	2.0	.30	1,500	N	N	N	20	1,000	2.0
3207	38 23 1	105 53 58	5.0	1.0	1.0	.30	1,500	N	N	N	20	1,000	2.0
3209	38 23 33	105 53 47	7.0	1.0	1.5	.50	1,500	N	N	N	20	700	2.0
3211	37 58 43	105 34 32	7.0	1.0	1.0	.50	1,000	N	N	N	50	700	2.0
3213	37 56 43	105 34 30	5.0	1.5	1.5	.50	1,500	N	N	N	100	700	2.0
3215	37 56 31	105 35 10	10.0	1.5	1.5	.50	2,000	N	N	N	300	700	2.0
3217	37 56 53	105 35 35	5.0	1.0	2.0	.50	1,000	N	N	N	200	700	2.0
3219	37 56 52	105 35 46	7.0	1.0	1.5	.50	1,000	N	N	N	100	700	2.0
3221	37 56 47	105 36 22	5.0	1.0	1.0	.30	1,000	N	N	N	50	700	2.0

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
3133	N	N	15	20	20	50	N	<20	10	50	N	20	N
3135	N	N	15	70	50	70	N	<20	20	50	N	20	N
3137	N	N	10	30	20	70	N	<20	10	50	N	20	N
3139	N	N	15	30	20	70	N	<20	10	50	N	20	N
3141	N	N	15	30	20	100	N	<20	10	50	N	20	N
3143	N	N	20	150	50	100	N	<20	10	50	N	30	N
3145	N	N	20	150	200	50	N	<20	50	70	N	20	N
3147	N	N	15	20	20	50	N	<20	15	50	N	20	N
3149	N	N	15	30	20	50	N	<20	15	50	N	20	N
3151	N	N	20	150	70	50	N	<20	50	50	N	20	N
3153	N	N	20	150	70	50	N	<20	30	50	N	20	N
3155	N	N	20	50	30	50	N	<20	15	50	N	15	N
3157	N	N	15	30	20	50	N	<20	10	50	N	10	N
3159	N	N	70	150	150	50	N	<20	100	50	N	20	N
3161	N	N	20	100	50	50	N	<20	50	50	N	15	N
3163	N	N	10	30	20	50	N	<20	10	50	N	10	N
3165	N	N	10	20	50	50	N	<20	15	30	N	10	N
3167	N	N	10	100	30	50	N	<20	20	20	N	20	N
3169	N	N	15	70	30	50	N	<20	15	50	N	20	N
3171	N	N	10	30	30	70	N	<20	10	50	N	15	N
3173	N	N	15	50	30	50	N	<20	10	50	N	15	N
3175	N	N	10	30	30	50	N	<20	10	50	N	10	N
3177	N	N	15	150	20	100	N	<20	15	15	N	20	20
3179	N	N	10	70	70	50	N	<20	15	50	N	20	50
3181	N	N	10	50	20	150	N	<20	20	30	N	15	N
3183	N	N	10	100	30	100	N	<20	20	30	N	20	N
3185	N	N	10	70	50	100	N	<20	20	30	N	15	N
3187	N	N	10	70	20	70	N	<20	20	20	N	20	N
3189	N	N	15	100	50	50	N	<20	30	50	N	20	N
3191	N	N	15	100	50	50	<5	<20	20	100	N	20	N
3193	N	N	10	100	20	50	N	<20	15	50	N	20	N
3195	N	N	15	100	50	50	N	<20	20	100	N	20	N
3197	N	N	15	100	30	50	N	<20	20	50	N	20	N
3199	N	N	15	150	30	50	N	20	10	50	N	30	N
3201	N	N	15	70	30	70	N	<20	20	50	N	20	N
3203	N	N	15	50	70	70	N	N	20	100	N	20	N
3205	N	N	15	30	70	70	N	N	10	50	N	30	N
3207	N	N	15	30	70	50	N	N	15	50	N	20	N
3209	N	N	15	50	70	50	N	N	15	70	N	20	N
3211	N	N	20	150	50	70	N	N	30	70	N	20	N
3213	N	N	20	100	50	70	N	N	30	70	N	20	N
3215	N	N	20	150	30	50	N	N	20	50	N	20	N
3217	N	N	20	100	100	70	N	N	20	50	N	20	N
3219	N	N	20	150	50	50	N	N	30	70	N	20	N
3221	N	N	20	70	30	50	N	20	20	50	N	20	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
3133	1,000	100	N	20	N	150	N	N	50	N	N	N
3135	1,000	150	N	50	N	100	N	N	50	N	N	N
3137	1,000	150	N	50	N	200	N	N	40	.1	N	N
3139	1,000	150	N	70	N	200	N	N	60	N	1	N
3141	700	100	N	70	N	100	N	N	55	N	N	N
3143	700	300	N	70	N	700	N	N	160	N	N	N
3145	700	150	N	70	N	200	N	N	100	.5	N	N
3147	500	100	N	30	N	200	N	N	60	.1	N	N
3149	700	100	N	30	N	200	N	N	55	.1	N	N
3151	700	150	N	30	N	300	N	N	90	.5	N	N
3153	700	150	N	30	N	300	N	N	85	.2	3	N
3155	700	150	N	50	N	300	N	N	70	.3	N	N
3157	500	100	N	50	N	300	N	N	50	.2	N	N
3159	500	150	N	20	N	100	N	<5.0	80	.6	N	N
3161	500	100	N	20	N	200	N	N	85	.3	N	N
3163	500	100	N	20	N	300	N	N	85	.3	N	N
3165	300	100	N	50	N	100	N	N	70	.3	N	N
3167	500	150	N	30	N	150	N	N	30	N	N	N
3169	700	150	N	30	N	500	N	N	50	.2	N	N
3171	500	100	N	30	N	200	N	N	50	.1	N	N
3173	500	150	70	30	N	300	N	N	65	.1	N	N
3175	500	100	N	30	N	300	N	N	65	.3	N	N
3177	100	150	N	200	N	300	N	N	20	.1	N	N
3179	200	150	N	50	N	200	N	N	170	.6	N	N
3181	150	100	N	50	N	200	N	N	30	.1	N	N
3183	150	100	N	70	N	200	N	N	40	.1	N	N
3185	100	100	N	70	N	300	N	N	70	.2	N	N
3187	200	100	N	50	N	300	N	N	55	.1	N	N
3189	200	150	N	70	N	300	N	<5.0	90	.3	N	N
3191	300	150	N	70	N	200	N	10.0	80	.5	N	N
3193	500	200	N	50	N	300	N	<5.0	45	.1	N	N
3195	300	200	N	70	N	300	N	N	85	.6	N	N
3197	300	300	N	50	N	500	N	N	55	.2	N	N
3199	300	500	N	70	N	700	N	N	45	.1	N	N
3201	300	100	N	50	N	300	N	N	55	.8	N	N
3203	200	100	N	50	200	200	N	<5.0	70	.8	<2	N
3205	300	100	N	70	<200	300	N	N	160	.2	<2	N
3207	200	100	N	50	300	300	N	<5.0	380	.7	2	N
3209	200	150	N	50	N	200	N	<5.0	270	.7	2	N
3211	200	150	N	50	N	200	N	<5.0	90	.5	<2	N
3213	500	150	N	50	N	300	N	N	95	.3	<2	N
3215	500	200	N	50	N	500	N	N	85	.2	N	N
3217	500	150	N	70	N	300	N	N	60	.2	<2	N
3219	500	200	N	50	N	200	N	N	90	.2	<2	N
3221	300	150	N	50	N	200	N	N	65	.3	9	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
3223	37 56 35	105 36 57	7.0	1.5	1.5	.50	1,000	N	N	N	100	700	2.0
3225	37 54 40	105 35 52	7.0	1.0	1.5	.50	1,000	N	N	N	20	1,000	2.0
3227	37 54 6	105 36 27	5.0	1.0	2.0	.50	1,000	N	N	N	20	1,000	2.0
3229	37 53 41	105 37 23	10.0	1.0	2.0	.50	1,500	N	N	N	20	1,000	2.0
3231	37 51 46	105 35 49	3.0	.7	1.5	.30	500	N	N	N	10	1,000	2.0
3233	37 51 54	105 35 52	2.0	.7	2.0	.30	500	N	N	N	20	1,000	2.0
3235	37 51 36	105 35 20	3.0	1.0	1.5	.50	700	N	N	N	10	1,000	2.0
3237	37 51 17	105 34 57	3.0	1.0	2.0	.50	700	N	N	N	10	1,000	2.0
3239	37 51 19	105 33 41	20.0	1.0	1.5	>1.00	2,000	N	N	N	10	700	N
3241	37 51 4	105 34 22	5.0	.7	1.5	.50	700	N	N	N	10	1,000	1.0
3243	38 5 22	105 35 15	7.0	.7	1.0	1.00	1,000	N	N	N	100	1,000	1.5
3245	38 5 17	105 34 46	10.0	.7	.7	1.00	1,500	N	N	N	70	1,000	1.5
3247	38 4 57	105 34 15	7.0	.7	1.0	.70	1,000	N	N	N	70	1,000	1.5
3249	38 4 43	105 34 2	7.0	1.0	.7	.50	1,000	N	N	N	100	700	2.0
3251	38 4 14	105 33 31	5.0	1.0	1.0	.50	1,500	N	N	N	100	1,000	2.0
3253	38 3 55	105 33 20	7.0	.7	.5	.50	1,000	N	N	N	100	1,000	2.0
3255	38 3 29	105 33 11	3.0	.7	1.0	.30	700	N	N	N	100	700	2.0
3257	38 3 27	105 33 9	5.0	.7	1.0	.30	700	N	N	N	50	700	2.0
3259	38 3 16	105 32 34	7.0	.7	.7	.50	1,000	N	N	N	70	700	2.0
3261	38 3 7	105 32 27	5.0	.7	1.0	.30	1,000	N	N	N	100	700	2.0
3263	37 54 52	105 26 54	5.0	.7	1.5	.50	700	N	N	N	100	1,000	2.0
3265	37 54 48	105 26 27	7.0	.7	1.5	.50	700	N	N	N	20	1,000	2.0
3267	37 54 56	105 25 56	10.0	1.0	3.0	.50	1,500	N	N	N	100	1,000	2.0
3269	37 53 13	105 24 1	5.0	1.0	2.0	.50	1,000	N	N	N	50	700	2.0
3271	37 54 13	105 25 22	5.0	.7	1.5	.50	700	N	N	N	50	700	2.0
3273	37 58 32	105 25 43	7.0	1.5	3.0	.70	1,500	N	N	N	100	1,500	2.0
3275	37 58 34	105 28 50	5.0	.7	1.5	.50	700	N	N	N	50	700	2.0
4001	37 55 0	105 33 28	3.0	.5	1.0	.20	1,500	N	N	N	30	300	3.0
4003	37 55 11	105 33 29	5.0	.7	1.5	.30	700	N	N	N	30	300	2.0
4005	37 55 20	105 33 40	5.0	1.0	1.5	.50	1,000	N	N	N	50	700	2.0
4007	37 55 17	105 33 54	3.0	.5	1.0	.30	500	N	N	N	50	500	2.0
4009	37 55 38	105 34 6	5.0	.7	2.0	.70	1,000	N	N	N	30	1,000	2.0
4011	37 55 33	105 34 6	15.0	.7	2.0	.70	1,000	N	N	N	20	1,000	2.0
4013	37 55 13	105 34 39	7.0	.7	1.5	.50	1,000	N	N	N	20	500	2.0
4015	37 55 3	105 34 57	7.0	1.0	2.0	.50	1,000	N	N	N	20	1,000	2.0
4017	38 1 10	105 36 33	5.0	1.0	1.5	.50	1,000	N	N	N	50	1,000	2.0
4019	38 1 42	105 37 55	10.0	1.0	.7	.50	1,500	N	N	N	30	1,000	2.0
4021	38 1 42	105 38 10	2.0	.5	.7	.30	500	N	N	N	30	700	2.0
4023	38 1 54	105 38 30	7.0	.7	1.0	.50	1,000	N	N	N	50	700	2.0
4025	38 2 0	105 38 35	20.0	.7	1.0	.50	1,000	N	N	N	50	700	1.0
4027	38 2 3	105 38 40	10.0	1.0	.7	.50	1,000	N	N	N	50	700	2.0
4029	38 2 25	105 39 10	20.0	.7	.5	1.00	1,500	N	N	N	50	700	1.5
4031	38 2 2	105 39 35	15.0	1.0	1.0	.70	1,500	N	N	N	50	1,000	2.0
4033	38 2 9	105 39 33	10.0	1.0	1.0	.50	1,500	N	N	N	50	1,000	2.0
4035	38 2 40	105 40 7	5.0	.7	1.0	.50	500	N	N	N	50	1,000	2.0

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-AI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
3223	N	N	20	150	50	50	N	N	30	70	N	20	N
3225	N	N	10	20	20	70	N	N	5	50	N	20	N
3227	N	N	10	20	20	50	N	N	10	50	N	20	N
3229	N	N	15	70	50	100	N	20	10	50	N	30	N
3231	N	N	7	20	10	50	N	N	7	50	N	10	N
3233	N	N	7	20	15	100	N	N	7	50	N	10	N
3235	N	N	10	20	15	70	N	N	10	50	N	15	N
3237	N	N	10	50	15	70	N	N	10	50	N	15	N
3239	N	N	70	200	50	70	N	N	30	20	N	20	N
3241	N	N	15	50	30	50	N	N	10	30	N	20	N
3243	N	N	15	100	30	50	N	20	10	50	N	20	N
3245	N	N	15	100	30	50	N	N	10	50	N	20	N
3247	N	N	10	100	30	50	N	N	10	30	N	20	N
3249	N	N	15	70	30	50	N	<20	15	50	N	20	N
3251	N	N	10	50	20	50	N	<20	15	50	N	20	N
3253	N	N	10	100	20	50	N	<20	15	50	N	20	N
3255	N	N	15	50	30	50	N	<20	20	70	N	15	N
3257	N	N	10	70	30	70	N	<20	20	50	N	20	N
3259	N	N	10	70	30	50	N	<20	15	50	N	20	N
3261	N	N	10	30	20	50	N	<20	15	50	N	20	N
3263	N	N	10	50	20	70	N	<20	20	50	N	20	N
3265	N	N	15	50	20	70	N	<20	20	50	N	20	N
3267	N	N	15	70	30	50	N	<20	15	50	N	20	N
3269	N	N	15	50	30	70	N	<20	15	50	N	20	N
3271	N	N	15	70	20	70	N	<20	15	50	N	20	N
3273	N	N	15	150	50	70	N	<20	15	50	N	30	N
3275	N	N	15	70	30	70	N	<20	15	50	N	20	N
4001	N	N	10	20	50	70	10	<20	5	50	N	5	N
4003	N	N	10	20	70	70	N	<20	10	50	N	10	N
4005	N	N	15	30	70	200	<5	<20	15	50	N	10	N
4007	N	N	10	15	50	200	N	<20	5	50	N	7	N
4009	N	N	10	30	50	100	5	<20	10	30	N	20	N
4011	N	N	20	100	50	200	N	20	20	50	N	20	N
4013	N	N	15	50	70	200	N	<20	20	50	N	20	N
4015	N	N	10	30	50	150	N	20	10	50	N	20	N
4017	N	N	10	50	50	50	N	<20	10	50	N	20	N
4019	N	N	20	150	50	70	N	<20	10	30	N	20	N
4021	N	N	7	20	50	50	N	<20	10	30	N	10	N
4023	N	N	15	50	50	100	N	<20	20	50	N	10	N
4025	N	N	20	150	50	100	N	<20	20	50	N	20	N
4027	N	N	20	100	50	70	N	<20	20	50	N	20	N
4029	N	N	20	200	50	70	N	<20	20	50	N	20	N
4031	N	N	20	150	50	100	N	<20	20	50	N	20	N
4033	N	N	15	100	50	100	N	<20	20	50	N	20	N
4035	N	N	10	20	50	70	N	20	15	50	N	15	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
3223	500	200	N	50	N	200	N	N	100	.1	<2	N
3225	500	100	N	70	N	200	N	N	85	.1	<2	N
3227	700	100	N	50	N	150	N	N	65	.1	N	N
3229	700	150	N	70	N	200	N	N	85	N	N	N
3231	700	70	N	20	N	150	N	N	55	.1	N	N
3233	1,000	50	N	20	N	100	N	N	55	.2	N	N
3235	1,000	100	N	20	N	150	N	N	70	.2	N	N
3237	1,500	100	N	30	N	200	N	N	55	.2	N	N
3239	500	500	N	50	500	700	N	N	230	.2	N	N
3241	700	150	N	30	N	300	N	N	80	.1	N	N
3243	300	200	N	70	N	500	N	N	60	.1	N	N
3245	200	200	N	70	N	700	N	N	70	.2	N	N
3247	500	200	N	50	N	500	N	N	45	.3	N	N
3249	200	200	N	70	N	1,000	N	N	65	.3	N	N
3251	500	200	N	50	N	200	N	N	73	.4	N	N
3253	200	200	N	50	N	300	N	N	45	.2	N	N
3255	300	100	N	50	N	200	N	N	90	.4	N	N
3257	300	150	N	50	N	200	N	N	55	.4	N	N
3259	200	200	N	50	N	150	N	<5.0	50	.1	N	N
3261	300	100	N	50	N	150	N	N	55	.2	N	N
3263	500	150	N	50	N	200	N	N	50	.2	N	N
3265	500	150	N	50	N	150	N	N	55	.3	N	N
3267	700	200	N	100	N	500	N	N	55	.2	N	N
3269	1,000	200	N	100	N	200	N	N	50	.2	N	N
3271	500	200	N	70	N	300	N	N	55	.4	N	N
3273	1,500	200	N	100	N	500	N	N	75	.1	N	N
3275	700	150	N	70	N	300	N	N	45	.1	N	N
4001	200	50	N	30	N	200	N	5.0	100	.7	1	N
4003	200	70	N	50	N	100	N	<5.0	100	.5	1	N
4005	300	100	N	50	N	300	N	<5.0	75	.3	N	N
4007	200	70	N	50	N	300	N	N	70	.5	N	N
4009	500	100	N	70	N	300	N	<5.0	55	.2	N	N
4011	500	200	N	100	N	500	N	<5.0	75	.2	N	N
4013	200	100	N	70	N	300	N	<5.0	75	.2	1	N
4015	500	100	N	70	N	300	N	<5.0	70	.1	N	N
4017	500	100	N	70	N	300	N	N	60	N	N	N
4019	200	200	N	70	N	500	N	N	75	.1	N	N
4021	200	100	N	70	N	200	N	N	65	.2	1	N
4023	200	150	N	70	N	300	N	N	60	N	1	N
4025	200	200	N	70	N	1,000	N	<5.0	60	N	N	N
4027	200	150	N	50	N	300	N	N	70	.1	5	N
4029	150	200	N	70	N	300	N	<5.0	65	.1	N	N
4031	200	200	N	70	N	300	N	<5.0	60	N	N	N
4033	200	200	N	70	N	200	N	N	75	.1	N	N
4035	300	150	N	50	N	200	N	N	45	N	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
4041	38 11 18	105 41 14	7.0	1.0	.7	.50	1,500	N	N	N	50	1,000	2.0
4043	38 11 45	105 42 32	5.0	1.0	.5	.50	700	N	N	N	50	1,000	2.0
4045	38 12 30	105 41 7	7.0	1.0	.7	.50	1,000	N	N	N	50	1,000	2.0
4047	38 12 43	105 42 55	5.0	2.0	.7	.30	1,000	N	N	N	50	700	2.0
4049	38 13 49	105 42 27	7.0	1.0	.7	.50	1,500	N	N	N	50	1,000	2.0
4051	38 14 24	105 42 0	7.0	.7	.7	.50	500	N	N	N	50	1,000	2.0
4053	38 13 37	105 47 24	5.0	2.0	.7	.30	300	N	N	N	200	200	2.0
4055	38 13 41	105 47 22	5.0	1.0	.7	.50	500	N	N	N	70	500	2.0
4057	38 13 43	105 47 25	5.0	1.0	.7	.50	1,500	N	N	N	100	700	2.0
4059	37 55 35	105 28 30	7.0	1.0	1.5	.50	700	N	N	N	100	700	2.0
4061	37 54 14	105 26 58	7.0	1.0	1.5	.50	700	N	N	N	50	1,000	2.0
4063	37 53 30	105 27 30	3.0	.7	1.0	.30	500	N	N	N	50	700	2.0
4065	37 53 28	105 27 30	7.0	1.0	1.5	.50	700	N	N	N	50	700	2.0
4067	37 53 44	105 26 22	7.0	.7	1.0	.50	500	N	N	N	50	700	2.0
4069	37 53 3	105 26 28	5.0	1.0	1.5	.50	500	N	N	N	50	700	2.0
4073	37 53 0	105 26 25	7.0	1.0	2.0	.50	700	N	N	N	50	700	2.0
4075	37 59 34	105 36 12	7.0	1.0	.7	.50	1,000	N	N	N	50	700	2.0
4077	37 59 36	105 36 45	10.0	.7	.7	.50	1,000	N	N	N	50	700	2.0
4079	37 59 30	105 37 16	10.0	1.0	1.5	.70	1,500	N	N	N	100	700	2.0
4081	37 59 23	105 38 47	10.0	1.0	1.5	.50	1,000	N	N	N	100	1,000	2.0
4083	37 59 27	105 39 10	5.0	.7	1.5	.30	500	N	N	N	70	700	2.0
4087	37 59 46	105 39 9	5.0	1.0	1.5	.50	1,500	N	N	N	50	1,000	2.0
4089	37 59 45	105 39 5	3.0	.7	1.0	.30	700	N	N	N	30	700	2.0
4091	37 59 21	105 39 56	5.0	1.0	1.0	.50	1,000	N	N	N	30	700	2.0
4093	37 59 33	105 40 11	5.0	1.0	1.0	.50	1,000	N	N	N	50	1,000	2.0
4095	38 17 14	105 52 45	7.0	2.0	1.5	.50	1,500	N	N	N	50	700	2.0
4097	38 17 10	105 53 7	10.0	1.0	1.5	1.00	1,000	N	N	N	20	500	2.0
4099	38 17 12	105 53 25	7.0	1.0	1.0	.50	1,500	N	N	N	50	700	2.0
4101	38 17 38	105 53 26	5.0	1.0	1.5	.50	1,500	N	N	N	70	700	2.0
4103	38 18 27	105 52 50	10.0	1.5	1.5	.50	1,500	N	N	N	70	500	2.0
4105	38 18 22	105 53 11	7.0	1.5	1.0	.50	1,500	N	N	N	100	500	2.0
4107	38 18 0	105 53 20	10.0	1.5	1.5	.50	1,500	N	N	N	70	700	2.0
4109	38 18 10	105 53 38	5.0	1.0	1.5	.50	2,000	N	N	N	50	700	2.0
4111	38 18 26	105 53 46	5.0	1.0	1.5	.30	1,000	N	N	N	50	700	2.0
4113	38 25 40	105 59 32	7.0	1.5	1.5	.50	1,500	N	N	N	20	500	2.0
4115	38 26 4	105 59 21	3.0	1.0	1.5	.30	500	N	N	N	20	500	2.0
4117	38 24 39	105 58 29	7.0	1.0	1.5	.50	1,000	N	N	N	20	500	2.0
4119	38 26 33	105 58 33	7.0	1.5	2.0	.50	1,000	N	N	N	50	700	2.0
4121	38 26 52	105 58 58	7.0	1.5	2.0	.30	1,000	N	N	N	20	500	2.0
4123	38 27 3	105 58 56	5.0	.7	1.0	.30	1,000	N	N	N	10	700	2.0
4125	38 24 27	105 56 48	3.0	.7	1.5	.50	300	N	N	N	20	150	2.0
4127	38 24 35	105 56 17	3.0	1.0	1.5	.50	700	N	N	N	20	300	2.0
4129	38 24 47	105 55 54	5.0	1.5	2.0	.50	1,500	N	N	N	20	300	2.0
4131	38 25 26	105 55 44	5.0	1.0	1.5	.50	2,000	N	N	N	50	500	2.0
4133	38 25 37	105 54 56	5.0	1.5	1.5	.50	1,500	N	N	N	20	1,500	2.0

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-N3	S-NI	S-PB	S-SB	S-SC	S-SN
4041	N	N	20	70	50	100	N	20	20	50	N	20	N
4043	N	N	15	100	50	70	N	<20	20	30	N	20	N
4045	N	N	15	100	50	100	N	20	20	50	N	20	N
4047	N	N	15	50	50	100	10	<20	20	50	N	10	N
4049	N	N	15	50	70	100	N	20	20	50	N	20	N
4051	N	N	10	100	30	100	N	<20	15	30	N	15	N
4053	N	N	20	50	50	50	N	<20	50	20	N	15	N
4055	N	N	15	30	50	70	15	<20	20	30	N	10	N
4057	N	N	20	50	50	70	N	<20	20	50	N	20	N
4059	N	N	15	50	30	70	N	<20	15	50	N	20	N
4061	N	N	15	50	30	70	N	<20	15	50	N	20	N
4063	N	N	10	20	30	50	N	<20	10	50	N	10	N
4065	N	N	15	50	30	100	N	<20	10	50	N	20	N
4067	N	N	10	50	30	50	N	<20	10	30	N	15	N
4069	N	N	10	30	30	70	N	<20	10	50	N	20	N
4073	N	N	10	30	30	70	N	<20	10	50	N	20	N
4075	N	N	20	50	50	50	N	<20	20	50	N	20	N
4077	N	N	20	100	50	70	N	<20	10	50	N	20	N
4079	N	N	20	150	50	50	N	<20	20	50	N	20	N
4081	N	N	20	150	70	70	N	<20	30	50	N	20	N
4083	N	N	10	30	20	50	N	<20	10	50	N	15	N
4087	N	N	15	70	50	70	N	<20	20	50	N	20	N
4089	N	N	10	50	20	50	N	<20	5	50	N	15	N
4091	N	N	15	70	50	70	N	<20	20	50	N	20	N
4093	N	N	10	100	50	70	N	<20	20	70	N	15	N
4095	N	N	20	150	150	70	N	<20	30	70	N	20	N
4097	N	N	15	150	50	200	N	20	20	30	N	20	N
4099	N	N	20	100	50	100	N	<20	20	50	N	20	N
4101	N	N	20	100	50	100	N	<20	20	70	N	20	N
4103	N	N	30	200	100	70	N	<20	50	50	N	20	N
4105	N	N	20	150	70	70	N	<20	50	100	N	20	N
4107	N	N	20	150	50	70	N	20	50	50	N	20	N
4109	N	N	20	100	50	70	N	<20	50	70	N	20	N
4111	N	N	20	150	100	50	N	<20	50	50	N	20	N
4113	N	N	30	70	70	70	N	<20	30	30	N	20	N
4115	N	N	10	20	30	70	N	<20	10	20	N	10	N
4117	N	N	20	20	100	50	N	<20	20	50	N	20	N
4119	N	N	20	100	50	70	N	<20	20	30	N	20	N
4121	N	N	20	150	30	70	N	<20	70	50	N	20	N
4123	N	N	10	30	15	50	N	<20	10	20	N	15	N
4125	N	N	5	30	10	50	N	<20	7	20	N	10	N
4127	N	N	15	30	20	70	N	<20	10	20	N	10	N
4129	N	N	20	100	50	200	N	<20	20	20	N	30	N
4131	N	N	15	20	20	100	N	<20	10	20	N	20	N
4133	N	N	20	30	50	100	10	<20	10	20	N	20	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
4041	150	150	N	70	N	300	N	N	85	N	N	N
4043	150	150	N	50	N	200	N	N	70	.1	N	N
4045	150	200	N	70	N	500	N	N	75	.1	N	N
4047	200	100	N	50	N	200	N	N	70	N	N	N
4049	100	150	N	70	N	300	N	N	79	N	N	1
4051	200	100	N	50	N	100	N	N	50	N	N	N
4053	100	100	N	50	N	100	N	N	25	N	6	N
4055	300	100	N	50	N	100	N	N	50	N	N	N
4057	200	100	N	100	N	300	N	N	55	N	N	N
4059	500	150	N	50	N	150	N	N	50	N	N	N
4061	500	150	N	70	N	100	N	N	45	.1	N	N
4063	500	70	N	70	N	70	N	N	45	N	N	N
4065	1,000	100	N	70	N	300	N	N	45	N	N	N
4067	500	200	N	50	N	100	N	N	55	N	N	N
4069	700	100	N	50	N	100	N	N	50	.1	N	N
4073	700	100	N	70	N	100	N	N	55	N	N	N
4075	200	100	N	50	N	100	N	N	75	.2	N	N
4077	200	200	N	70	N	500	N	N	65	.2	N	N
4079	300	200	N	70	N	300	N	N	65	.2	N	N
4081	500	200	N	100	N	200	N	N	65	.2	N	N
4083	500	100	N	20	N	200	N	N	35	N	N	N
4087	500	150	N	50	N	200	N	N	60	.1	N	N
4089	500	100	N	50	N	300	N	N	45	.1	N	N
4091	300	100	N	70	N	300	N	N	70	.2	N	N
4093	500	100	N	50	<200	200	N	<5.0	65	.2	N	N
4095	500	150	N	50	<200	200	N	<5.0	90	.5	N	3
4097	200	200	N	100	N	>1,000	N	N	65	.3	N	2
4099	200	150	N	70	N	500	N	N	80	.4	N	3
4101	200	150	N	70	N	300	N	<5.0	100	.6	N	N
4103	300	200	N	50	N	300	N	<5.0	85	.3	N	N
4105	200	200	N	50	N	200	N	<5.0	150	.5	N	N
4107	300	150	N	70	N	200	N	5.0	85	.4	N	N
4109	200	150	N	50	N	200	N	<5.0	75	.4	N	N
4111	200	150	N	50	N	100	N	<5.0	85	.3	N	N
4113	300	200	N	50	N	150	N	<5.0	65	.2	N	N
4115	200	100	N	50	N	150	N	<5.0	40	N	N	N
4117	500	200	N	50	N	200	N	N	95	.5	N	N
4119	300	200	N	70	N	200	N	N	75	.2	N	N
4121	200	150	N	70	N	300	N	N	90	.2	N	N
4123	200	100	N	50	N	300	N	N	55	.2	N	N
4125	200	100	N	50	N	300	N	N	20	.5	N	N
4127	200	100	N	50	N	200	N	N	35	.1	N	N
4129	200	200	N	50	N	200	N	N	40	.3	N	N
4131	200	150	N	100	N	300	N	N	70	.3	N	N
4133	300	150	N	30	N	150	N	N	80	.3	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
4135	38 25 35	105 54 51	3.0	1.0	1.5	.50	1,000	N	N	N	20	200	2.0
4137	38 24 53	105 53 58	7.0	2.0	2.0	.70	5,000	N	N	N	20	500	2.0
4139	38 24 27	105 54 40	5.0	2.0	1.0	.50	3,000	N	N	N	20	1,000	2.0
4141	38 23 19	105 55 35	3.0	1.0	.7	.30	1,000	N	N	N	10	500	2.0
4143	38 23 24	105 55 54	5.0	1.0	.7	.50	2,000	N	N	N	30	1,000	2.0
4145	38 23 43	105 55 20	5.0	1.0	1.0	.50	2,000	N	N	N	20	1,000	2.0
4147	38 24 17	105 55 40	3.0	1.0	1.0	.50	1,000	N	N	N	20	500	2.0
4149	38 24 45	105 55 11	5.0	1.0	1.5	.50	1,000	N	N	N	10	500	2.0
4151	38 24 46	105 55 0	5.0	1.0	1.5	.30	1,000	N	N	N	20	500	2.0
4153	38 25 13	105 54 35	5.0	1.0	2.0	.50	1,500	N	N	N	30	500	2.0
4155	38 25 10	105 54 30	5.0	1.0	1.5	.50	3,000	N	N	N	50	1,000	2.0
4157	38 21 33	105 52 30	5.0	1.0	1.5	.50	2,000	N	N	N	100	700	2.0
4159	38 21 51	105 52 4	3.0	2.0	2.0	.30	2,000	N	N	N	100	500	2.0
4161	38 21 55	105 52 7	5.0	1.0	1.5	.50	2,000	N	N	N	100	700	2.0
4163	38 22 46	105 51 30	3.0	2.0	2.0	.20	1,500	N	N	N	50	500	2.0
4165	37 50 45	105 28 50	2.0	.7	2.0	.30	500	N	N	N	20	1,000	2.0
4167	37 50 20	105 28 38	3.0	.7	2.0	.50	1,000	N	N	N	20	1,000	2.0
4169	37 50 22	105 28 44	2.0	.7	2.0	.30	500	N	N	N	10	1,000	2.0
4171	37 49 42	105 28 56	3.0	.7	2.0	.30	500	N	N	N	20	1,000	2.0
4173	37 49 21	105 29 23	3.0	.7	2.0	.30	500	N	N	N	20	1,000	2.0
4175	37 49 22	105 29 26	5.0	1.0	2.0	.50	700	N	N	N	20	1,000	2.0
4177	37 49 47	105 29 21	5.0	.7	2.0	.50	1,000	N	N	N	20	1,000	2.0
4179	37 49 48	105 29 23	5.0	.7	2.0	.50	1,000	N	N	N	20	1,000	2.0
4181	37 49 43	105 29 25	2.0	.7	1.5	.30	500	N	N	N	10	1,000	2.0
4183	37 49 43	105 29 43	5.0	.7	1.5	.50	500	N	N	N	10	1,000	2.0
4185	37 49 41	105 29 47	10.0	1.0	2.0	.50	1,500	N	N	N	10	1,000	N
4187	37 49 37	105 29 50	7.0	1.0	2.0	.50	500	N	N	N	10	1,000	2.0
4189	37 43 52	105 27 45	5.0	.7	2.0	.50	500	N	N	N	10	1,000	2.0
4191	37 43 51	105 27 42	5.0	.5	1.5	.30	1,000	N	N	N	20	700	2.0
4193	37 43 46	105 27 56	5.0	.7	15.0	.30	500	N	N	N	20	1,000	2.0
4195	37 43 52	105 27 58	7.0	1.0	1.5	.50	700	N	N	N	10	1,000	2.0
4197	37 43 48	105 28 18	3.0	1.0	2.0	.30	500	N	N	N	10	1,000	2.0
4199	37 43 52	105 28 20	3.0	1.0	2.0	.30	500	N	N	N	10	1,000	2.0
4201	37 43 50	105 29 13	5.0	1.0	2.0	.70	1,000	N	N	N	15	1,000	2.0
4203	37 43 47	105 29 15	7.0	1.5	3.0	.70	1,000	N	N	N	10	1,000	2.0
4205	37 47 46	105 26 25	5.0	1.0	2.0	.50	700	N	N	N	10	1,000	2.0
4207	37 47 24	105 26 11	5.0	1.0	2.0	.50	700	N	N	N	10	1,000	2.0
4209	37 47 37	105 25 28	5.0	1.0	2.0	.70	1,500	N	N	N	10	1,000	2.0
4211	37 47 38	105 25 28	5.0	1.0	2.0	.50	1,000	N	N	N	10	1,000	2.0
4213	37 47 49	105 25 19	5.0	1.0	2.0	.50	700	N	N	N	10	1,000	2.0
4215	37 48 9	105 24 56	3.0	1.0	2.0	.50	700	N	N	N	10	1,000	2.0
4217	37 48 11	105 24 53	5.0	.7	2.0	.50	700	N	N	N	20	700	1.5
4219	37 48 43	105 25 7	5.0	1.0	1.5	.50	1,000	N	N	N	20	500	1.5
4221	37 48 55	105 25 14	7.0	1.0	1.5	.50	1,000	N	N	N	30	1,000	1.5
4223	37 49 57	105 25 15	2.0	1.0	1.0	.30	500	N	N	N	30	1,000	1.5

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
4135	N	N	10	50	15	200	N	<20	10	20	N	20	N
4137	N	N	20	100	20	200	N	<20	10	20	N	30	N
4139	N	N	20	70	30	300	N	<20	15	50	N	20	N
4141	N	N	15	50	20	50	N	<20	15	20	N	10	N
4143	N	N	15	50	50	50	N	<20	10	50	N	10	N
4145	N	N	10	50	20	70	N	<20	10	50	N	15	N
4147	N	N	10	50	15	70	N	<20	10	20	N	20	N
4149	N	N	15	50	15	200	N	<20	15	20	N	20	N
4151	N	N	10	50	5	30	N	<20	10	15	N	20	N
4153	N	N	10	50	20	30	N	<20	15	20	N	20	N
4155	N	N	15	50	30	200	N	<20	15	50	N	20	N
4157	N	N	15	50	50	70	N	<20	15	100	N	20	N
4159	N	N	10	30	50	50	N	<20	15	150	N	15	N
4161	N	N	15	50	50	50	N	<20	15	100	N	20	N
4163	N	N	10	30	50	50	N	<20	15	50	N	15	N
4165	N	N	10	10	15	70	N	<20	10	50	N	10	N
4167	N	N	10	20	15	70	N	<20	10	50	N	10	N
4169	N	N	5	10	10	70	N	<20	10	50	N	10	N
4171	N	N	10	20	10	70	N	<20	10	50	N	10	N
4173	N	N	5	10	10	70	N	<20	10	50	N	10	N
4175	N	N	15	50	20	70	N	<20	15	50	N	15	N
4177	N	N	15	30	20	70	N	<20	10	100	N	15	N
4179	N	N	15	30	20	70	N	<20	10	50	N	15	N
4181	N	N	10	20	10	70	N	<20	7	50	N	15	N
4183	N	N	15	20	15	70	N	<20	10	50	N	15	N
4185	N	N	20	50	10	50	N	<20	10	50	N	15	N
4187	N	N	20	30	20	70	N	<20	10	30	N	20	N
4189	N	N	10	20	20	70	N	<20	10	30	N	15	N
4191	N	N	10	20	20	50	N	<20	15	30	N	10	N
4193	N	N	10	20	20	70	N	<20	10	30	N	15	N
4195	N	N	20	50	30	50	N	<20	15	30	N	15	N
4197	N	N	10	20	20	70	N	<20	10	30	N	10	N
4199	N	N	10	20	20	50	N	<20	10	50	N	10	N
4201	N	N	15	30	50	70	N	<20	15	30	N	20	N
4203	N	N	15	100	30	70	N	<20	10	30	N	20	N
4205	N	N	15	20	20	70	N	<20	10	30	N	20	N
4207	N	N	10	20	20	50	N	<20	10	30	N	20	N
4209	N	N	15	70	30	70	N	20	15	50	N	30	N
4211	N	N	15	30	20	70	N	<20	15	50	N	20	N
4213	N	N	10	20	20	70	N	<20	10	50	N	20	N
4215	N	N	10	20	10	50	N	<20	10	50	N	15	N
4217	N	N	10	20	20	70	N	<20	10	50	N	10	N
4219	N	N	10	30	20	50	N	<20	5	20	N	15	N
4221	N	N	15	50	20	70	N	<20	10	20	N	20	N
4223	N	N	10	20	15	70	N	<20	15	30	N	7	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
4135	200	150	N	50	N	300	N	N	35	.3	N	N
4137	200	200	N	150	N	500	N	N	45	.3	N	N
4139	200	150	N	70	N	300	N	N	150	.4	N	N
4141	200	100	N	30	N	200	N	N	65	.1	N	N
4143	200	50	N	50	<200	200	N	N	150	.3	N	N
4145	200	100	N	50	N	300	N	N	140	.3	N	N
4147	150	100	N	30	N	300	N	N	40	.2	N	N
4149	200	100	N	50	N	300	N	N	35	.1	N	N
4151	200	100	N	70	N	200	N	N	30	.2	N	N
4153	200	100	N	50	N	300	N	N	65	.1	N	N
4155	200	100	N	70	<200	300	N	N	110	.2	<2	N
4157	200	100	N	70	200	200	N	<5.0	270	.1	<2	N
4159	200	100	N	50	300	100	N	<5.0	500	1.3	N	N
4161	200	100	N	50	200	200	N	N	240	1.0	N	N
4163	200	70	N	20	N	70	N	N	150	.3	N	N
4165	1,000	70	N	20	N	100	N	N	30	.2	N	N
4167	1,000	100	N	50	N	200	N	N	60	.2	N	N
4169	1,000	70	N	20	N	70	N	N	65	.2	N	N
4171	1,000	70	N	20	N	100	N	N	40	N	N	N
4173	1,000	150	N	20	N	100	N	N	60	N	N	N
4175	1,000	150	N	50	N	200	N	N	75	N	N	N
4177	1,000	150	N	30	N	150	N	N	65	N	N	N
4179	1,000	100	N	50	N	150	N	N	65	.1	N	N
4181	1,500	100	N	20	N	150	N	N	50	N	N	N
4183	1,000	100	N	30	N	200	N	N	75	.2	N	N
4185	1,000	500	N	20	N	700	N	N	75	.1	N	N
4187	1,000	300	N	50	N	500	N	N	100	.3	N	N
4189	1,000	150	N	50	N	300	N	N	85	.3	N	N
4191	500	100	N	20	N	200	N	N	95	.3	N	N
4193	700	100	N	50	N	300	N	N	90	.2	N	N
4195	700	150	N	50	N	300	N	N	90	.2	N	N
4197	1,000	70	N	50	N	150	N	N	50	.2	N	N
4199	1,000	70	N	30	N	150	N	N	75	.4	N	N
4201	700	100	N	50	N	500	N	N	80	.5	N	N
4203	1,000	100	N	70	N	300	N	N	60	.2	N	N
4205	1,000	100	N	50	N	200	N	N	65	.3	N	N
4207	700	100	N	50	N	300	N	N	55	.2	N	N
4209	700	200	N	70	N	300	N	N	75	.3	N	N
4211	1,000	100	N	50	N	200	N	N	55	.3	N	N
4213	1,500	100	N	50	N	150	N	N	45	.3	N	N
4215	1,000	100	N	50	N	300	N	N	45	.2	N	N
4217	700	70	N	70	N	500	N	N	50	.2	N	N
4219	700	100	N	30	N	500	N	N	110	.2	N	N
4221	700	150	N	70	N	100	N	N	60	.2	N	N
4223	700	50	N	20	N	300	N	N	50	.2	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-P	S-BA	S-BE
4225	37 48 58	105 25 12	5.0	1.0	1.5	.50	700	N	N	N	30	1,000	1.5
4227	37 50 0	105 25 21	5.0	1.0	1.5	.50	700	N	N	N	30	1,000	1.5
4229	37 49 58	105 25 24	5.0	1.0	2.0	.50	700	1.0	N	N	30	1,000	1.5
4231	37 49 54	105 25 18	3.0	1.0	1.5	.30	500	N	N	N	20	1,000	1.5
4233	37 50 11	105 25 15	5.0	1.0	1.5	.50	700	N	N	N	20	1,000	1.5
4235	37 50 24	105 25 1	5.0	1.0	1.5	.50	700	N	N	N	30	1,000	1.5
4237	37 41 14	105 30 5	5.0	.7	2.0	.30	500	N	N	N	20	700	1.5
4239	37 41 1	105 31 13	3.0	1.0	2.0	.30	500	N	N	N	10	1,000	1.5
4241	37 40 46	105 31 13	5.0	1.0	2.0	.50	500	N	N	N	20	1,000	1.5
4243	37 40 44	105 31 50	5.0	1.0	1.5	.50	700	N	N	N	20	700	1.5
4245	37 40 40	105 32 1	5.0	1.0	1.5	.50	1,000	N	N	N	20	700	1.5
4247	37 40 30	105 32 8	7.0	1.0	1.5	.50	1,500	N	N	N	20	700	1.5
4249	37 40 15	105 32 16	5.0	1.0	2.0	.50	1,500	N	N	N	20	1,000	1.5
4251	37 35 26	105 30 18	5.0	1.0	1.5	.30	700	N	N	N	20	500	1.5
4253	37 35 25	105 30 25	5.0	1.0	1.5	.50	1,500	N	N	N	20	500	1.5
4255	37 36 24	105 31 25	7.0	2.0	1.5	.50	2,000	N	N	N	20	500	1.0
4257	37 36 36	105 31 48	5.0	1.5	1.5	.50	1,000	N	N	N	50	500	1.5
4259	37 36 45	105 31 57	3.0	1.0	1.5	.50	700	N	N	N	20	500	1.5
4261	37 36 48	105 32 43	5.0	1.5	1.5	.50	1,000	N	N	N	20	300	1.5
4263	37 50 54	105 24 36	5.0	1.0	1.0	.50	700	N	N	N	20	1,000	1.5
4265	37 50 55	105 24 38	7.0	1.0	1.5	.70	1,000	N	N	N	20	1,000	1.5
4267	37 50 37	105 24 28	10.0	1.0	1.5	.70	1,000	N	N	N	20	700	1.5
4269	37 52 34	105 27 34	5.0	1.0	1.5	.50	700	N	N	N	20	700	1.5
4271	37 52 17	105 26 46	7.0	1.0	2.0	.50	1,000	N	N	N	20	1,000	1.5
4273	37 51 49	105 28 31	5.0	1.0	2.0	.50	1,000	N	N	N	20	1,000	1.5
4275	37 51 46	105 25 32	3.0	.7	1.5	.30	700	N	N	N	20	700	1.5
4277	37 51 35	105 28 11	3.0	1.0	1.5	.50	700	N	N	N	30	1,000	1.5
4279	37 51 46	105 27 5	2.0	1.0	1.5	.30	700	N	N	N	20	1,000	1.5
4281	37 51 35	105 27 24	5.0	1.0	1.5	.70	1,500	N	N	N	20	700	1.5
4283	37 52 24	105 25 37	2.0	1.0	1.5	.30	500	N	N	N	20	1,000	1.5
4285	37 52 17	105 25 32	3.0	.7	2.0	.50	500	N	N	N	20	1,000	1.5
4287	37 52 15	105 25 18	3.0	1.0	2.0	.50	700	N	N	N	20	1,500	1.5
4289	37 52 17	105 24 49	3.0	.7	1.5	.50	700	N	N	N	20	1,000	1.5
4291	37 52 32	105 24 25	3.0	1.0	1.5	.50	700	N	N	N	20	700	1.5
4293	37 52 35	105 24 26	5.0	1.0	1.5	.50	1,000	N	N	N	30	1,000	2.0
4295	37 52 57	105 25 4	5.0	1.0	1.5	.50	700	N	N	N	30	700	2.0
4297	37 53 14	105 25 16	7.0	1.0	1.5	.50	1,000	N	N	N	30	700	2.0
4299	38 24 19	106 0 6	1.5	.5	1.0	.20	300	N	N	N	50	100	1.5
4301	38 23 51	106 0 52	7.0	1.0	2.0	.70	1,500	N	N	N	10	300	1.0
4303	38 23 34	106 0 48	5.0	.7	1.0	.30	1,500	N	N	N	30	700	2.0
4305	38 24 44	106 1 33	5.0	1.5	1.5	.50	1,500	N	N	N	20	700	1.5
4307	38 24 27	106 1 21	.5	.2	.5	.05	500	N	N	N	10	100	1.0
4309	38 24 22	106 0 55	5.0	1.0	2.0	.50	1,500	N	N	N	10	700	1.5
4311	38 19 21	105 49 19	5.0	1.0	.5	.50	300	N	N	N	200	700	2.0
4313	38 19 23	105 49 17	5.0	1.0	.5	.50	700	N	N	N	150	500	2.0

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
4225	N	N	10	50	15	70	N	<20	20	30	N	10	N
4227	N	N	10	20	20	70	N	<20	10	30	N	10	N
4229	N	N	10	20	20	70	N	<20	10	30	N	10	N
4231	N	N	10	10	10	70	N	<20	5	30	N	10	N
4233	N	N	10	20	20	70	N	<20	7	30	N	10	N
4235	N	N	15	30	30	70	N	<20	20	30	N	15	N
4237	N	N	10	30	50	100	N	<20	10	30	N	10	N
4239	N	N	10	20	20	70	N	<20	10	20	N	10	N
4241	N	N	15	50	50	70	N	<20	10	30	N	10	N
4243	N	N	15	20	50	70	N	<20	15	30	N	10	N
4245	N	N	15	50	50	70	N	<20	20	30	N	15	N
4247	N	N	15	50	50	50	N	<20	20	30	N	15	N
4249	N	N	15	30	30	50	N	<20	15	30	N	15	N
4251	N	N	15	100	100	50	N	<20	50	30	N	15	N
4253	N	N	15	70	150	50	N	<20	30	50	N	15	N
4255	N	N	20	20	30	50	N	<20	20	20	N	20	N
4257	N	N	20	100	150	50	N	<20	50	20	N	20	N
4259	N	N	15	30	100	50	N	<20	20	30	N	15	N
4261	N	N	20	70	200	50	N	<20	30	20	N	20	N
4263	N	N	10	20	500	70	N	<20	20	30	N	10	N
4265	N	N	15	70	500	70	N	<20	20	30	N	20	N
4267	N	N	20	50	300	100	N	<20	10	30	N	20	N
4269	N	N	15	30	100	50	N	<20	10	50	N	10	N
4271	N	N	15	30	300	70	N	<20	15	30	N	20	N
4273	N	N	10	30	200	50	N	<20	10	30	N	20	N
4275	N	N	10	30	70	50	N	<20	15	30	N	10	N
4277	N	N	10	10	70	50	N	<20	10	30	N	10	N
4279	N	N	10	10	70	50	N	<20	10	20	N	7	N
4281	N	N	15	20	300	50	N	<20	5	20	N	10	N
4283	N	N	10	20	100	50	N	<20	5	30	N	10	N
4285	N	N	10	15	200	50	N	<20	5	20	N	10	N
4287	N	N	10	20	200	70	N	<20	5	30	N	15	N
4289	N	N	10	10	300	50	N	<20	5	20	N	10	N
4291	N	N	10	15	200	50	N	<20	7	20	N	10	N
4293	N	N	15	50	30	50	N	<20	20	30	N	15	N
4295	N	N	10	30	30	50	N	<20	10	30	N	10	N
4297	N	N	10	50	30	50	N	<20	10	30	N	15	N
4299	N	N	N	10	50	20	N	<20	N	10	N	5	N
4301	N	N	20	20	70	50	N	<20	15	10	N	20	N
4303	N	N	15	20	30	50	N	<20	10	10	N	15	N
4305	N	N	10	30	15	50	N	<20	10	20	N	15	N
4307	N	N	N	<10	10	20	N	<20	N	10	N	N	N
4309	N	N	15	50	50	30	N	<20	20	20	N	20	N
4311	N	N	15	50	50	70	N	<20	20	30	N	20	N
4313	N	N	10	70	50	50	N	<20	20	50	N	20	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
4225	700	100	N	20	N	200	N	N	55	.2	N	N
4227	700	100	N	30	N	100	N	N	55	.1	N	N
4229	1,000	100	N	20	N	100	N	N	45	.1	N	N
4231	700	70	N	20	N	300	N	N	50	.1	N	N
4233	700	100	N	30	N	200	N	N	55	N	N	N
4235	700	100	N	50	N	200	N	N	60	N	N	N
4237	500	100	N	50	N	70	N	N	65	.2	N	N
4239	500	100	N	20	N	200	N	N	55	N	N	N
4241	700	100	N	30	N	150	N	N	45	.1	N	N
4243	700	100	N	20	N	200	N	N	75	.1	N	N
4245	500	100	N	20	N	300	N	N	95	.1	N	N
4247	500	150	N	30	N	300	N	N	90	.1	N	N
4249	700	100	N	30	N	300	N	N	90	.3	N	N
4251	300	100	N	20	N	100	N	N	95	.3	N	N
4253	300	100	N	30	N	150	N	N	130	.6	N	N
4255	200	300	N	20	N	30	N	N	210	.3	N	N
4257	300	150	N	30	N	200	N	N	75	.2	N	N
4259	300	150	N	20	N	100	N	N	60	.2	N	N
4261	500	150	N	20	N	200	N	N	55	.1	N	N
4263	300	200	N	20	N	500	N	N	55	.1	N	N
4265	500	300	N	50	N	300	N	N	60	.1	N	N
4267	300	100	N	50	N	500	N	N	67	.1	N	N
4269	500	200	N	20	N	70	N	N	50	.2	N	N
4271	500	100	N	50	N	300	N	N	55	.1	N	N
4273	700	70	N	20	N	200	N	N	45	.2	N	N
4275	500	100	N	20	N	70	N	N	45	.2	N	N
4277	700	70	N	20	N	70	N	N	40	.1	N	N
4279	500	150	N	20	N	70	N	N	50	.1	N	N
4281	500	70	N	20	30	300	N	N	55	.1	N	N
4283	500	70	N	20	N	100	N	N	40	.1	N	N
4285	500	100	N	20	N	200	N	N	35	.1	N	N
4287	500	100	N	20	N	200	N	N	50	.2	N	N
4289	500	100	N	20	N	300	N	N	85	.1	N	N
4291	500	100	N	20	N	300	N	N	55	.1	N	N
4293	500	100	N	50	N	200	N	N	50	.1	N	N
4295	500	100	N	50	N	70	N	N	55	.2	N	N
4297	500	100	N	50	N	200	N	N	70	.2	N	N
4299	100	100	N	10	N	30	N	N	120	.9	N	N
4301	300	200	N	50	N	50	N	N	75	.1	N	N
4303	200	70	N	50	N	200	N	N	200	.5	N	N
4305	200	100	N	30	N	300	N	N	70	.2	N	N
4307	N	20	N	<10	<200	20	N	N	170	.6	N	N
4309	500	200	N	20	N	100	N	N	45	.2	N	N
4311	100	100	N	50	N	300	N	N	45	.2	N	N
4313	100	100	N	30	N	200	N	N	55	.3	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
4315	38 15 23	105 49 30	5.0	1.0	.7	.50	700	N	N	N	150	1,000	2.0
4317	38 15 19	105 49 30	5.0	.5	.5	.50	1,000	N	N	N	150	300	2.0
4319	38 15 17	105 49 32	5.0	.5	1.5	.50	700	.5	N	N	150	300	2.0
4321	38 14 39	105 50 9	5.0	1.0	.7	.50	500	2.0	N	N	150	3,000	2.0
4323	38 7 54	105 41 6	3.0	1.0	.5	.30	500	N	N	N	200	500	2.0
4325	38 8 1	105 41 18	2.0	.7	.5	.30	700	N	N	N	200	700	2.0
4327	38 7 55	105 41 38	5.0	1.5	.5	.50	1,000	N	N	N	200	700	2.0
4329	38 8 53	105 42 0	3.0	1.0	.5	.50	200	N	N	N	200	700	2.0
4331	38 8 53	105 42 4	5.0	1.5	.5	.50	500	N	N	N	200	700	2.0
4333	38 9 22	105 42 7	5.0	1.0	.5	.50	700	N	N	N	150	700	2.0
4335	38 9 40	105 42 55	5.0	1.5	.5	.50	1,000	N	N	N	200	700	2.0
4337	38 9 42	105 42 58	3.0	1.0	.7	.30	700	N	N	N	100	700	2.0
4339	38 9 40	105 43 33	.2	.5	20.0	.07	200	N	N	N	50	100	<1.0
4341	38 9 20	105 44 10	5.0	1.5	.5	.50	1,000	N	N	N	200	700	1.5
4343	38 9 16	105 44 12	3.0	1.0	.5	.30	1,000	N	N	N	200	500	2.0
4345	38 9 14	105 44 22	2.0	1.0	15.0	.30	2,000	N	N	N	100	500	1.5
4347	38 8 54	105 45 27	3.0	1.0	.7	.50	1,000	N	N	N	100	700	2.0
4349	38 8 40	105 45 59	5.0	1.0	.7	.50	1,000	N	N	N	150	700	1.5
4351	38 8 24	105 46 29	5.0	1.5	1.5	.50	1,500	N	N	N	100	700	2.0
4353	38 8 43	105 42 11	2.0	.7	.5	.30	500	N	N	N	150	300	2.0
4355	38 16 53	105 48 49	3.0	.5	20.0	.05	5,000	N	N	N	<10	100	1.5
4357	38 17 10	105 48 50	2.0	.7	1.0	.20	500	N	N	N	100	200	2.0
4359	38 17 34	105 49 0	5.0	1.0	.5	.50	300	N	N	N	200	500	2.0
4361	38 17 50	105 49 13	5.0	1.0	.5	.50	500	N	N	N	200	500	2.0
4363	38 18 [illegible]	105 49 0	5.0	.7	.7	.30	500	N	N	N	200	500	2.0
4365	38 18 49	105 49 28	5.0	.7	.5	.30	500	N	N	N	150	500	2.0
4367	38 15 44	105 49 27	5.0	1.0	.5	.50	500	N	N	N	200	500	2.0
4369	38 19 43	105 49 3	5.0	1.0	.7	.50	700	N	N	N	200	500	2.0
4371	37 58 15	105 35 55	5.0	1.5	1.0	.50	1,000	N	N	N	150	500	2.0
4373	37 58 15	105 35 57	5.0	1.0	1.0	.50	1,000	N	N	N	100	500	2.0
4375	37 58 10	105 36 30	5.0	1.0	1.0	.50	1,500	N	N	N	100	500	2.0
4377	37 57 51	105 37 7	5.0	1.0	1.0	.50	2,000	N	N	N	70	700	2.0
4379	37 57 40	105 38 9	3.0	.7	1.0	.50	1,000	N	N	N	50	700	2.0
4381	37 57 30	105 38 7	5.0	1.0	1.0	.50	1,500	N	N	N	200	500	2.0
4383	37 57 39	105 38 15	3.0	1.0	1.0	.50	1,000	N	N	N	100	500	2.0
4385	37 57 14	105 39 15	5.0	1.5	1.5	.50	1,000	N	N	N	100	700	2.0
4387	37 56 31	105 37 35	2.0	.5	1.5	.20	700	N	N	N	70	300	2.0
4389	37 54 33	105 37 36	5.0	.7	1.5	.50	1,000	N	N	N	100	700	2.0
4391	37 53 36	105 38 9	5.0	.7	1.5	.50	1,000	N	N	N	200	700	2.0
4393	37 56 37	105 38 9	5.0	1.0	1.5	.50	1,500	N	N	N	50	700	2.0
4395	37 56 52	105 38 55	3.0	.7	1.5	.50	1,000	N	N	N	50	700	2.0
4397	37 56 50	105 38 54	5.0	.7	1.5	.50	1,000	N	N	N	50	700	2.0
4399	37 59 34	105 31 15	5.0	1.0	1.5	.50	1,000	N	N	N	50	700	2.0
4401	37 59 27	105 31 6	5.0	1.0	1.5	.50	1,000	N	N	N	50	1,000	2.0
4403	37 59 37	105 29 44	5.0	.7	1.5	.50	1,000	N	N	N	30	700	2.0

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
4315	N	N	15	70	50	50	N	<20	30	300	N	20	N
4317	N	N	20	100	70	70	N	20	50	50	N	20	N
4319	N	N	15	150	50	70	<5	20	30	100	N	20	N
4321	N	N	20	150	70	70	N	20	50	2,000	N	20	N
4323	N	N	15	50	50	70	N	<20	20	50	N	15	N
4325	N	N	10	50	50	50	N	<20	15	50	N	10	N
4327	N	N	15	70	30	50	N	<20	20	50	N	10	N
4329	N	N	15	70	30	70	N	<20	20	50	N	10	N
4331	N	N	15	70	30	70	N	<20	20	50	N	15	N
4333	N	N	10	50	20	70	N	<20	10	30	N	15	N
4335	N	N	20	70	30	70	N	<20	30	50	N	15	N
4337	N	N	10	50	20	50	N	<20	15	30	N	10	N
4339	N	N	N	10	5	20	N	<20	N	20	N	<5	N
4341	N	N	15	70	50	50	N	<20	30	50	N	20	N
4343	N	N	10	50	30	50	N	<20	20	50	N	15	N
4345	N	N	10	20	10	50	N	<20	10	30	N	10	N
4347	N	N	15	50	50	70	N	<20	20	30	N	15	N
4349	N	N	15	50	50	70	N	<20	20	50	N	15	N
4351	N	N	20	50	150	70	<5	<20	50	50	N	15	N
4353	N	N	10	30	50	50	N	<20	20	50	N	10	N
4355	N	N	N	10	5	20	N	<20	5	20	N	5	N
4357	N	N	5	20	30	30	N	<20	10	30	N	10	N
4359	N	N	15	50	50	70	N	<20	20	50	N	15	N
4361	N	N	20	50	50	50	N	<20	30	50	N	15	N
4363	N	N	10	50	30	50	N	<20	30	50	N	15	N
4365	N	N	10	30	50	50	N	<20	20	30	N	10	N
4367	N	N	10	50	50	70	N	<20	20	30	N	15	N
4369	N	N	15	50	50	70	N	<20	30	50	N	15	N
4371	N	N	15	100	50	50	N	<20	20	50	N	15	N
4373	N	N	15	100	50	50	N	<20	20	50	N	15	N
4375	N	N	20	150	50	50	N	<20	30	50	N	20	N
4377	N	N	15	70	50	50	N	<20	20	50	N	15	N
4379	N	N	10	30	20	50	N	<20	10	30	N	15	N
4381	N	N	20	100	70	50	N	<20	20	70	N	20	N
4383	N	N	10	50	50	50	N	<20	15	20	N	15	N
4385	N	N	20	150	70	50	N	<20	30	30	N	20	N
4387	N	N	5	10	30	50	N	<20	5	20	N	10	N
4389	N	N	15	100	70	50	N	<20	20	30	N	20	N
4391	N	N	10	70	30	70	N	<20	20	50	N	20	N
4393	N	N	15	70	70	50	N	<20	20	50	N	20	N
4395	N	N	10	50	50	50	N	<20	10	50	N	15	N
4397	N	N	15	50	50	100	N	<20	20	50	N	20	N
4399	N	N	15	50	50	50	N	<20	20	50	N	20	N
4401	N	N	15	70	100	70	N	<20	20	50	N	20	N
4403	N	N	10	50	20	70	N	<20	15	30	N	20	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SN	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
4315	100	100	N	50	N	300	N	N	90	.4	N	N
4317	100	100	N	50	N	500	N	5.0	140	.4	N	N
4319	200	150	N	50	N	300	N	15.0	80	.7	N	N
4321	200	150	N	200	N	300	N	5.0	110	.4	N	2
4323	100	100	N	50	N	200	N	10.0	140	.1	N	N
4325	100	100	N	30	N	200	N	10.0	100	.4	N	N
4327	100	100	N	50	N	300	N	6.0	100	.1	N	N
4329	100	100	N	50	N	200	N	<5.0	60	.1	N	N
4331	100	100	N	30	N	300	N	<5.0	90	N	N	N
4333	150	100	N	50	N	300	N	<5.0	65	N	N	N
4335	100	100	N	50	N	200	N	5.0	110	N	N	N
4337	200	100	N	30	N	200	N	N	45	.1	N	N
4339	700	20	N	10	N	30	N	<5.0	35	.2	N	N
4341	150	100	N	30	N	200	N	<5.0	80	.1	N	N
4343	150	100	N	30	N	200	N	<5.0	75	.1	N	N
4345	700	70	N	50	N	200	N	<5.0	30	.1	N	N
4347	200	100	N	50	N	200	N	<5.0	110	.4	N	N
4349	200	100	N	50	N	300	N	<5.0	110	.3	N	N
4351	150	100	N	50	N	300	N	<5.0	75	.3	N	N
4353	<100	70	N	50	N	200	N	N	90	.5	N	N
4355	1,500	10	N	10	N	30	N	N	20	.2	N	N
4357	100	50	N	20	N	50	N	<5.0	65	.5	N	N
4359	100	100	N	50	N	300	N	N	65	.2	N	N
4361	100	100	N	30	N	300	N	<5.0	60	.2	N	N
4363	100	100	N	50	N	500	N	<5.0	75	.3	N	N
4365	100	100	N	30	N	500	N	<5.0	55	.2	N	N
4367	100	100	N	50	N	500	N	<5.0	60	.1	N	N
4369	200	100	N	30	N	300	N	<5.0	50	N	N	N
4371	200	100	N	50	N	300	N	<5.0	100	.5	N	N
4373	200	100	N	50	N	300	N	.5	110	.5	N	N
4375	200	150	N	50	N	300	N	<5.0	75	.2	N	N
4377	300	100	N	20	N	500	N	<5.0	120	.5	N	N
4379	500	100	N	30	N	500	N	<5.0	60	N	N	N
4381	300	150	N	20	N	300	N	<5.0	75	.5	N	N
4383	500	100	N	50	N	300	N	<5.0	90	N	N	N
4385	300	150	N	50	N	150	N	<5.0	50	.1	N	N
4387	200	70	N	20	N	50	N	<5.0	55	.5	N	N
4389	500	100	N	50	N	300	N	<5.0	50	.1	N	N
4391	500	100	N	50	N	300	N	<5.0	60	.1	N	N
4393	300	100	N	70	N	300	N	N	65	.1	N	N
4395	500	70	N	50	N	300	N	N	65	.1	N	N
4397	500	100	N	50	N	200	N	N	60	N	N	N
4399	500	100	N	30	N	300	N	N	70	N	N	N
4401	300	100	N	50	N	300	N	N	90	.1	N	N
4403	500	100	N	50	N	300	N	N	55	.1	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
4405	37 59 41	105 29 38	5.0	.7	1.5	.30	1,500	N	N	N	30	700	2.0
4407	38 13 5	105 40 52	5.0	.7	1.0	.50	1,000	N	N	N	30	700	2.0
4409	38 13 13	105 39 35	5.0	1.0	1.0	.50	1,000	N	N	N	50	1,000	2.0
4411	38 12 56	105 39 8	3.0	.7	.5	.30	2,000	N	N	N	50	1,000	2.0
4413	38 12 41	105 39 13	5.0	1.0	1.0	.30	1,000	N	N	N	50	1,000	2.0
4415	38 12 42	105 39 13	5.0	1.0	1.0	.50	1,000	N	N	N	50	1,000	2.0
4417	38 12 9	105 38 38	7.0	.7	.7	.50	1,500	N	N	N	100	1,000	2.0
4419	38 11 53	105 38 29	10.0	1.0	.7	.50	1,000	N	N	N	70	700	2.0
4421	38 11 28	105 37 35	7.0	.7	1.0	.50	5,000	N	N	N	100	1,000	2.0
4423	38 10 34	105 36 39	5.0	1.0	1.0	.50	1,000	N	N	N	50	1,000	2.0
4425	38 10 26	105 36 30	7.0	1.0	1.0	.50	1,500	N	N	N	100	1,000	2.0
4427	38 9 1	105 36 31	7.0	1.0	1.0	.50	1,000	N	N	N	100	1,000	2.0
4429	37 39 0	105 26 43	7.0	1.0	1.0	.50	1,500	N	N	N	50	700	2.0
4431	37 38 11	105 26 46	7.0	1.0	1.5	.50	1,500	N	N	N	50	500	2.0
4433	37 37 58	105 26 32	3.0	1.0	1.0	.50	700	N	N	N	50	700	2.0
4435	37 37 20	105 25 30	5.0	1.0	1.0	.50	700	N	N	N	50	1,000	2.0
4437	37 37 30	105 24 35	5.0	1.0	1.0	.50	500	N	N	N	100	700	2.0
4439	37 39 28	105 24 46	3.0	1.0	1.0	.30	700	N	N	N	100	500	2.0
4441	37 38 31	105 24 46	5.0	1.0	1.5	.50	1,500	N	N	N	50	700	2.0
4443	37 59 44	105 29 39	5.0	1.0	1.5	.50	1,000	N	N	N	100	700	2.0
4445	38 8 36	105 36 5	5.0	1.0	1.0	.50	1,000	N	N	N	100	700	2.0
5001	37 53 35	105 29 50	5.0	1.0	1.5	.50	700	N	N	N	50	700	2.0
5003	37 53 16	105 30 8	5.0	1.0	1.5	.50	700	N	N	N	50	700	2.0
5005	37 52 18	105 31 1	7.0	1.0	2.0	.50	700	N	N	N	20	1,000	2.0
5007	37 52 15	105 31 1	5.0	1.0	1.5	.50	1,000	N	N	N	20	700	2.0
5009	37 52 6	105 31 14	10.0	1.0	1.5	.70	1,000	N	N	N	20	700	1.5
5011	37 52 22	105 31 56	15.0	1.0	1.5	.70	1,000	N	N	N	30	700	1.5
5013	37 52 6	105 32 25	5.0	1.0	1.5	.50	1,000	N	N	N	20	700	1.5
5015	37 56 7	105 28 49	10.0	1.0	1.0	.50	1,000	N	N	N	30	700	1.5
5017	37 56 6	105 28 42	10.0	1.0	1.0	.50	1,000	N	N	N	20	700	2.0
5019	37 56 25	105 27 35	10.0	1.0	1.0	.70	1,000	N	N	N	20	700	1.5
5021	37 57 43	105 28 49	10.0	1.0	1.5	.50	1,000	N	N	N	50	700	1.5
5023	38 16 0	105 50 5	10.0	1.0	.3	.50	5,000	N	N	N	100	500	1.5
5025	38 15 52	105 50 32	5.0	1.0	.2	.50	700	N	N	N	100	500	2.0
5027	38 15 56	105 51 9	7.0	1.0	.7	.70	1,000	N	N	N	100	500	2.0
5029	38 16 43	105 50 35	5.0	1.0	.3	.70	500	N	N	N	100	700	2.0
5031	38 16 5	105 51 19	5.0	1.0	.7	.30	1,000	N	N	N	100	500	2.0
5033	38 27 45	105 59 50	5.0	1.5	1.5	.50	1,000	N	N	N	20	500	1.5
5035	38 28 7	105 58 53	7.0	1.5	2.0	.50	2,000	N	N	N	20	500	1.5
5037	38 27 14	105 59 54	5.0	1.0	2.0	.50	1,500	N	N	N	20	700	2.0
5039	38 27 39	105 59 10	5.0	.7	1.5	.20	1,000	N	N	N	20	500	2.0
5041	38 27 44	105 58 11	5.0	1.0	2.0	.50	1,500	N	N	N	10	500	2.0
5043	38 27 45	105 58 10	5.0	1.0	1.5	.50	1,000	N	N	N	10	500	1.5
5045	38 19 55	105 51 56	7.0	1.5	2.0	.50	1,000	N	N	N	20	500	1.5
5047	38 18 37	105 51 42	5.0	1.0	1.5	.50	1,000	N	N	N	30	500	2.0

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
4405	N	N	10	50	20	50	N	<20	15	30	N	15	N
4407	N	N	10	50	20	50	N	<20	15	50	N	15	N
4409	N	N	10	50	20	70	N	<20	15	50	N	20	N
4411	N	N	10	20	15	50	N	<20	10	50	N	10	N
4413	N	N	10	30	30	70	N	<20	10	50	N	10	N
4415	N	N	10	30	20	100	N	<20	10	50	N	15	N
4417	N	N	15	70	30	70	N	20	20	50	N	20	N
4419	N	N	15	100	30	70	N	20	20	50	N	20	N
4421	N	N	15	70	30	100	N	<20	10	50	N	20	N
4423	N	N	15	70	30	50	N	<20	20	50	N	15	N
4425	N	N	15	70	30	100	10	20	20	50	N	30	N
4427	N	N	20	200	70	70	N	<20	70	50	N	20	N
4429	N	N	20	70	50	100	N	<20	30	50	N	30	N
4431	N	N	20	100	50	50	N	<20	30	30	N	20	N
4433	N	N	10	50	20	50	N	<20	20	30	N	15	N
4435	N	N	10	50	20	70	N	<20	15	50	N	20	N
4437	N	N	15	50	30	70	N	<20	20	20	N	15	N
4439	N	N	15	50	30	50	N	<20	30	30	N	15	N
4441	N	N	15	50	20	70	<5	<20	20	30	N	20	N
4443	N	N	15	70	70	70	N	<20	30	50	N	20	N
4445	N	N	15	70	20	70	N	20	20	50	N	20	N
5001	N	N	15	30	50	50	N	<20	20	30	N	15	N
5003	N	N	15	30	50	70	N	<20	20	50	N	20	N
5005	N	N	15	30	30	70	N	<20	20	50	N	20	N
5007	N	N	15	70	30	100	N	<20	20	50	N	15	N
5009	N	N	20	100	50	100	N	<20	20	30	N	20	N
5011	N	N	20	100	50	150	N	<20	20	50	N	20	N
5013	N	N	15	50	30	50	N	<20	20	30	N	20	N
5015	N	N	15	50	30	50	N	<20	20	50	N	20	N
5017	N	N	15	150	30	50	N	<20	20	50	N	20	N
5019	N	N	15	100	30	70	N	<20	15	30	N	20	N
5021	N	N	15	100	50	50	N	<20	20	30	N	20	N
5023	N	N	70	100	50	50	N	<20	50	50	N	20	N
5025	N	N	20	70	50	50	N	<20	30	50	N	20	N
5027	N	N	20	100	50	50	N	<20	30	50	N	20	N
5029	N	N	15	100	50	50	N	<20	30	20	N	20	N
5031	N	N	10	70	50	50	N	<20	20	30	N	20	N
5033	N	N	15	70	30	50	N	<20	20	20	N	20	N
5035	N	N	20	100	30	200	N	<20	20	20	N	30	N
5037	N	N	15	100	50	150	N	<20	20	50	N	20	N
5039	N	N	10	30	30	50	N	<20	20	30	N	20	N
5041	N	N	15	30	50	70	N	<20	15	20	N	20	N
5043	N	N	10	30	20	50	N	<20	10	20	N	20	N
5045	N	N	20	200	70	50	N	<20	70	50	N	30	N
5047	N	N	20	150	70	50	N	<20	70	70	N	20	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
4405	300	100	N	50	N	300	N	N	55	.1	N	N
4407	200	100	N	50	N	300	N	N	50	.2	N	N
4409	200	100	N	50	N	200	N	N	65	.2	N	N
4411	200	70	N	50	N	200	N	N	90	.2	N	<2
4413	200	100	N	50	N	300	N	N	75	.1	N	N
4415	200	100	N	50	N	300	N	N	65	N	N	N
4417	300	100	N	50	N	300	N	N	110	N	N	N
4419	200	150	N	70	N	300	N	N	100	N	N	N
4421	300	100	N	70	N	500	N	N	90	.2	N	N
4423	500	100	N	50	N	150	N	N	70	N	N	N
4425	300	100	N	100	N	500	N	10.0	170	.2	N	N
4427	500	150	N	50	N	200	N	N	75	N	N	N
4429	300	200	N	70	N	200	N	N	60	N	N	N
4431	300	200	N	20	N	200	N	N	70	N	N	N
4433	500	100	N	20	N	200	N	N	30	N	N	N
4435	500	150	N	50	N	300	N	N	100	.1	N	N
4437	300	100	N	50	N	300	N	N	55	N	N	N
4439	300	100	N	30	N	150	N	N	55	N	N	N
4441	500	100	N	50	N	150	N	N	80	N	N	N
4443	500	150	N	50	N	150	N	N	70	N	N	N
4445	300	150	N	70	N	300	N	N	70	N	N	N
5001	500	100	N	50	N	200	N	N	75	.1	N	N
5003	500	100	N	50	N	300	N	N	80	.2	N	N
5005	700	150	N	70	N	200	N	N	80	N	N	N
5007	700	150	N	50	N	200	N	N	65	N	N	N
5009	500	200	N	70	N	500	N	N	90	N	N	N
5011	500	200	N	70	N	700	N	N	95	.1	N	N
5013	700	200	N	50	N	300	N	N	50	N	N	N
5015	500	200	N	50	N	200	N	N	55	N	N	N
5017	500	200	N	50	N	300	N	N	60	N	N	N
5019	500	200	N	50	N	500	N	N	50	N	N	N
5021	500	200	N	50	N	300	N	N	65	.1	N	N
5023	100	150	N	50	N	300	N	<5.0	120	.3	N	N
5025	100	100	N	50	N	500	N	N	80	.2	N	N
5027	100	100	N	70	N	300	N	N	80	.2	N	N
5029	100	100	N	50	N	200	N	N	55	.1	N	N
5031	100	100	N	50	N	150	N	N	110	.5	N	N
5033	200	100	N	70	N	300	N	N	45	.1	N	N
5035	200	150	N	100	N	500	N	N	45	.1	N	N
5037	200	100	N	150	N	300	N	N	90	.5	N	N
5039	200	100	N	70	N	300	N	N	100	.4	N	N
5041	200	200	N	20	N	200	N	N	90	.2	N	N
5043	200	100	N	30	N	300	N	N	55	N	N	N
5045	200	150	N	20	N	150	N	N	120	.2	N	N
5047	200	100	N	20	N	150	N	N	200	.8	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
5049	38 19 3	105 50 38	5.0	1.5	3.0	.50	1,000	N	N	N	20	500	2.0
5051	38 18 57	105 50 40	5.0	1.0	1.5	.50	1,000	N	N	N	100	500	2.0
5053	38 18 45	105 50 45	5.0	2.0	5.0	.50	1,000	N	N	N	100	500	2.0
5055	38 18 43	105 50 43	5.0	.5	3.0	.50	500	N	N	N	100	300	2.0
5057	38 19 40	105 49 50	5.0	.7	.5	.50	700	N	N	N	100	300	2.0
5059	38 19 46	105 49 28	5.0	1.0	1.5	.50	700	N	N	N	100	300	2.0
5061	38 20 7	105 49 47	3.0	1.0	1.5	.50	1,000	N	N	N	50	300	2.0
5063	38 20 20	105 50 3	7.0	1.0	2.0	.50	1,000	N	N	N	20	500	2.0
5065	38 20 42	105 50 31	5.0	1.0	2.0	.50	1,000	N	N	N	20	500	2.0
5067	38 20 43	105 50 33	5.0	1.0	1.0	.50	500	N	N	N	50	500	2.0
5069	37 50 57	105 31 10	2.0	.5	1.5	.20	300	N	N	N	20	700	1.0
5071	37 50 47	105 31 51	5.0	1.0	2.0	.50	1,000	N	N	N	10	700	1.0
5073	37 50 30	105 31 49	5.0	.7	1.5	.50	700	N	N	N	10	500	1.0
5075	37 49 47	105 32 25	15.0	1.0	1.5	1.00	1,500	N	N	N	50	500	<1.0
5077	37 49 45	105 32 24	5.0	.7	1.5	.50	700	N	N	N	20	500	1.0
5079	37 49 44	105 32 54	10.0	1.0	2.0	1.00	1,500	N	N	N	20	700	1.0
5081	37 49 31	105 33 13	5.0	.7	1.5	.50	500	N	N	N	10	500	1.0
5083	37 49 37	105 33 28	7.0	1.0	1.5	.70	1,500	N	N	N	20	700	1.0
5085	37 49 52	105 34 6	5.0	1.0	1.5	.50	1,000	N	N	N	10	700	1.5
5087	37 56 18	105 34 41	5.0	.7	1.5	.50	1,000	N	N	N	10	500	1.5
5089	37 43 9	105 26 49	3.0	1.0	1.5	.50	700	N	N	N	10	500	1.5
5091	37 43 18	105 26 47	3.0	.7	1.5	.50	700	N	N	N	10	500	1.5
5093	37 44 20	105 26 43	5.0	.7	1.5	.30	500	N	N	N	20	500	1.5
5095	37 44 1	105 26 44	5.0	.7	1.5	.50	1,000	N	N	N	10	700	1.5
5097	37 43 33	105 26 45	3.0	.5	1.5	.30	500	N	N	N	30	500	1.5
5099	37 45 1	105 26 28	3.0	.7	2.0	.30	2,000	N	N	N	10	700	1.5
5101	37 44 57	105 26 44	3.0	.5	1.5	.30	300	N	N	N	20	500	2.0
5103	37 44 41	105 26 6	2.0	.5	2.0	.30	300	N	N	N	10	700	2.0
5105	37 37 33	105 30 25	10.0	2.0	1.5	.50	1,500	N	N	N	50	500	2.0
5107	37 38 1	105 30 30	5.0	1.0	1.5	.30	700	N	N	N	20	500	2.0
5109	37 38 4	105 31 19	5.0	1.0	1.5	.30	1,000	N	N	N	70	300	2.0
5111	37 38 17	105 31 28	5.0	2.0	2.0	.50	1,000	N	N	N	20	500	2.0
5113	37 38 45	105 30 0	7.0	2.0	2.0	.50	1,000	N	N	N	20	500	2.0
5115	37 38 45	105 30 2	5.0	1.0	1.5	.30	1,000	N	N	N	20	500	2.0
5117	37 38 35	105 30 54	5.0	2.0	2.0	.50	1,000	N	N	N	20	500	2.0
5119	37 38 34	105 30 56	5.0	1.5	2.0	.50	1,000	N	N	N	20	500	2.0
5121	37 38 32	105 32 6	5.0	2.0	2.0	.50	1,000	N	N	N	20	500	2.0
5123	37 38 30	105 32 5	5.0	1.0	2.0	.50	1,000	N	N	N	20	500	2.0
5125	37 37 40	105 31 24	5.0	1.0	2.0	.50	1,000	N	N	N	20	700	2.0
5127	37 37 36	105 31 24	5.0	1.0	1.5	.30	1,000	N	N	N	50	500	2.0
5129	37 37 56	105 32 13	5.0	1.0	2.0	.30	1,000	N	N	N	20	500	2.0
5131	38 26 25	106 2 0	5.0	1.0	2.0	.30	1,000	N	N	N	10	300	2.0
5133	38 26 32	106 2 33	5.0	1.0	2.0	.30	1,000	N	N	N	20	300	2.0
5135	38 26 30	106 2 46	5.0	1.5	2.0	.30	1,000	N	N	N	10	300	2.0
5137	38 26 29	106 2 56	5.0	1.0	2.0	.30	1,000	N	N	N	10	700	2.0

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CP	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
5049	N	N	20	150	70	50	N	<20	50	50	N	20	N
5051	N	N	15	100	50	50	N	<20	30	30	N	20	N
5053	N	N	15	100	50	50	N	<20	50	50	N	20	N
5055	N	N	15	100	50	70	N	<20	50	30	N	20	N
5057	N	N	15	100	20	70	N	<20	30	30	N	20	N
5059	N	N	15	100	20	50	N	<20	30	30	N	20	N
5061	N	N	10	50	15	50	N	<20	20	20	N	15	N
5063	N	N	15	100	50	70	N	<20	30	20	N	20	70
5065	N	N	15	70	30	50	N	<20	20	30	N	20	20
5067	N	N	15	70	20	50	N	<20	20	20	N	10	N
5069	N	N	5	10	10	50	N	<20	5	30	N	7	N
5071	N	N	15	30	30	70	N	<20	10	50	N	20	N
5073	N	N	10	20	20	50	N	<20	10	50	N	10	N
5075	N	N	50	100	50	70	N	<20	20	30	N	20	N
5077	N	N	30	20	20	70	N	<20	10	30	N	15	N
5079	N	N	20	100	50	50	N	<20	5	30	N	20	N
5081	N	N	10	20	10	70	N	<20	10	20	N	10	N
5083	N	N	20	30	20	70	N	<20	10	30	N	20	N
5085	N	N	10	20	15	70	N	<20	10	20	N	20	N
5087	N	N	15	10	15	70	N	<20	10	20	N	20	N
5089	N	N	10	20	15	50	N	<20	10	30	N	15	N
5091	N	N	10	20	10	50	N	<20	10	30	N	15	N
5093	N	N	10	10	50	70	N	<20	10	50	N	10	N
5095	N	N	10	20	20	100	N	20	10	30	N	20	N
5097	N	N	10	10	20	70	N	<20	10	30	N	10	N
5094	N	N	10	10	10	70	N	<20	10	30	N	10	N
5101	N	N	10	20	20	50	N	<20	10	50	N	10	N
5103	N	N	5	10	5	50	N	<20	5	30	N	7	N
5105	N	N	30	200	200	50	N	<20	150	50	N	15	N
5107	N	N	15	100	150	50	N	<20	50	50	N	15	N
5109	N	N	15	70	150	50	N	<20	50	50	N	15	N
5111	N	N	20	150	70	70	N	<20	50	30	N	20	N
5113	N	N	20	100	70	100	N	<20	30	50	N	20	N
5115	N	N	15	70	100	50	N	<20	50	30	N	15	N
5117	N	N	20	150	70	70	N	<20	50	50	N	20	N
5119	N	N	20	100	70	50	N	<20	50	50	N	20	N
5121	N	N	20	150	70	50	N	<20	50	30	N	20	N
5123	N	N	10	50	50	50	N	<20	20	50	N	10	N
5125	N	N	10	50	50	70	N	<20	15	30	N	15	N
5127	N	N	10	50	70	50	N	<20	20	30	N	10	N
5129	N	N	10	50	70	50	N	<20	20	20	N	15	N
5131	N	N	10	30	10	50	N	<20	10	10	N	20	N
5133	N	N	10	30	10	50	N	<20	10	10	N	20	N
5135	N	N	10	100	5	50	N	<20	20	10	N	20	N
5137	N	N	10	50	10	50	N	<20	10	10	N	20	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
5049	300	200	N	20	N	200	N	N	110	.2	N	N
5051	200	150	N	20	N	200	N	N	120	.2	N	N
5053	300	150	N	30	N	200	N	N	100	.1	N	N
5055	100	150	N	20	N	200	N	N	65	.1	N	N
5057	100	100	N	50	N	300	N	N	45	N	N	N
5059	200	150	N	20	N	200	N	N	55	.1	N	N
5061	200	100	N	20	N	200	N	N	45	.1	N	N
5063	200	100	N	50	N	200	N	N	65	.1	N	N
5065	300	150	N	30	N	200	N	N	70	.1	N	N
5067	100	100	N	20	N	200	N	N	55	.1	N	N
5069	500	50	N	10	N	200	N	N	50	.1	N	N
5071	700	150	N	50	N	200	N	N	75	.1	N	N
5073	500	100	N	20	N	100	N	N	60	.1	N	N
5075	500	500	N	50	200	200	N	N	110	.1	N	N
5077	500	150	N	50	N	200	N	N	50	N	N	N
5079	1,000	300	N	50	<200	300	N	N	80	N	N	N
5081	500	100	N	20	N	100	N	N	65	N	N	N
5083	500	200	N	30	<200	300	N	N	95	N	N	N
5085	700	150	N	20	N	200	N	N	85	N	N	N
5087	500	150	N	20	N	200	N	N	140	N	N	N
5089	500	100	N	20	N	200	N	N	75	N	N	N
5091	500	100	N	50	N	200	N	N	70	N	N	N
5093	500	70	N	30	N	200	N	N	85	.1	N	N
5095	700	100	N	70	N	300	N	N	100	.1	N	N
5097	500	50	N	50	N	100	N	N	75	.1	N	N
5099	700	50	N	30	N	100	N	N	70	N	N	N
5101	500	70	N	50	N	100	N	N	110	.2	N	N
5103	700	50	N	20	N	150	N	N	45	.1	N	N
5105	200	200	N	20	N	300	N	<5.0	95	.2	N	N
5107	300	100	N	30	N	100	N	<5.0	95	.4	N	N
5109	200	100	N	30	N	200	N	N	80	.4	N	N
5111	500	150	N	30	N	100	N	N	40	.1	N	N
5113	500	200	N	50	N	200	N	N	85	.3	N	N
5115	300	100	N	30	N	100	N	N	110	.4	N	N
5117	500	200	N	50	N	300	N	N	80	.1	N	N
5119	500	200	N	50	N	300	N	N	80	.1	N	N
5121	500	200	N	50	N	300	N	N	75	.1	N	N
5123	500	100	N	30	N	200	N	N	85	.2	N	N
5125	500	100	N	50	N	300	N	N	50	N	N	N
5127	300	100	N	30	N	300	N	N	90	.2	N	N
5129	500	100	N	30	N	100	N	N	55	.1	N	N
5131	300	150	N	50	N	200	N	N	20	N	N	N
5133	200	150	N	70	N	300	N	N	25	N	N	N
5135	200	150	N	100	N	500	N	N	10	N	N	N
5137	200	150	N	50	N	200	N	N	25	N	N	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
5139	38 26 25	106 3 7	5.0	1.0	1.5	.30	1,000	N	N	N	10	700	2.0
5141	38 26 16	106 3 7	5.0	1.5	1.0	.50	1,000	N	N	N	10	500	2.0
5143	38 20 36	105 54 52	5.0	1.5	1.0	.30	1,500	N	N	N	20	700	2.0
5145	38 19 49	105 55 32	5.0	1.0	1.5	.50	1,500	N	N	N	20	700	2.0
5147	37 53 43	105 34 14	5.0	1.0	.5	.50	700	N	N	N	100	700	2.0
5149	37 59 3	105 33 6	5.0	1.0	1.5	.50	1,500	N	N	N	70	700	2.0
5151	37 59 57	105 32 13	5.0	1.0	1.0	.50	1,500	N	N	N	100	700	2.0
5153	38 0 34	105 31 3	7.0	1.0	1.0	.50	1,500	N	N	N	100	700	2.0
5155	38 16 29	105 51 34	5.0	1.0	1.0	.50	700	N	N	N	100	500	2.0
5157	38 17 33	105 51 30	3.0	1.0	2.0	.30	700	<.5	N	N	150	200	2.0
5159	38 0 37	105 40 3	3.0	.7	1.5	.50	700	N	N	N	70	700	2.0
5161	37 59 45	105 41 6	7.0	.7	1.5	.50	1,500	N	N	N	100	700	2.0
5163	38 2 33	105 41 0	10.0	.7	1.0	.50	1,500	N	N	N	100	700	2.0
5165	38 1 45	105 41 26	7.0	.7	1.5	.50	1,000	N	N	N	150	1,000	2.0
5167	38 1 9	105 42 48	5.0	.7	1.0	.50	700	N	N	N	50	700	2.0
5169	38 16 41	105 47 10	3.0	1.0	.5	.50	500	N	N	N	200	700	2.0
5171	38 17 23	105 46 0	3.0	1.0	.2	.50	200	N	N	N	200	700	2.0
5173	38 17 47	105 45 34	3.0	1.0	.7	.50	700	N	N	N	200	500	2.0
5175	38 22 44	105 50 32	7.0	1.0	.7	.50	2,000	N	N	N	100	700	2.0
5177	38 20 2	105 48 6	3.0	1.0	1.0	.50	500	N	N	N	200	500	2.0
5179	38 20 3	105 46 21	5.0	1.0	2.0	.50	1,000	N	N	N	200	700	2.0
5181	38 19 33	105 49 9	3.0	1.0	.2	.50	300	N	N	N	200	500	2.0
5183	38 19 49	105 49 18	10.0	1.0	1.5	.50	1,000	N	N	N	100	500	2.0
5185	38 19 2	105 43 26	5.0	1.0	2.0	.50	500	N	N	N	70	700	2.0
5187	38 19 1	105 44 17	5.0	1.0	2.0	.50	1,500	N	N	N	70	700	2.0
5189	38 17 30	105 43 30	10.0	1.0	1.0	.50	1,000	N	N	N	50	700	2.0
5191	38 17 49	105 43 33	5.0	1.0	.7	.50	1,500	N	N	N	50	700	2.0
6001	37 54 24	105 31 16	7.0	1.0	1.5	.50	1,000	N	N	N	20	700	1.5
6003	37 54 10	105 30 47	5.0	1.0	1.5	.50	1,000	N	N	N	30	700	1.5
6005	37 53 55	105 30 32	7.0	1.0	1.5	.50	1,500	N	N	N	50	700	1.5
6007	37 53 18	105 30 15	7.0	1.0	1.5	.50	1,000	N	N	N	20	1,000	1.5
6009	38 7 8	105 39 18	5.0	1.0	.5	.30	1,000	N	N	N	100	500	2.0
6011	38 8 7	105 38 54	7.0	1.5	.7	.50	1,500	N	N	N	100	1,000	2.0
6013	38 8 23	105 37 57	7.0	1.0	.7	.50	700	N	N	N	100	1,000	1.5
6015	38 8 29	105 37 59	7.0	1.0	.5	.50	700	N	N	N	100	1,000	1.5
6017	38 8 52	105 39 9	7.0	1.0	.5	.50	1,000	N	N	N	200	1,000	2.0
6019	38 9 21	105 39 39	5.0	1.0	.7	.50	500	N	N	N	100	1,000	2.0
6021	38 9 25	105 38 10	20.0	.5	.2	.50	700	N	N	N	50	500	1.0
6023	38 10 52	105 37 20	10.0	.7	.7	.50	1,000	N	N	N	50	700	1.0
6025	38 10 55	105 37 25	7.0	.7	.7	.50	1,000	N	N	N	20	700	1.0
6027	38 10 9	105 40 31	7.0	1.0	.7	.50	1,000	N	N	N	20	1,000	1.5
6029	38 10 32	105 41 3	5.0	1.0	.7	.30	1,000	N	N	N	30	1,000	1.5
6031	38 11 6	105 39 11	7.0	.7	.5	.50	1,000	N	N	N	20	1,000	1.5
6033	38 1 57	105 37 19	5.0	1.0	.7	.50	1,500	N	N	N	150	1,000	1.5
6035	38 2 2	105 38 36	5.0	1.5	1.0	.50	1,500	N	N	N	100	1,000	1.5

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
5139	N	N	10	70	20	50	N	<20	15	10	N	20	N
5141	N	N	10	50	10	50	N	<20	10	10	N	20	N
5143	N	N	10	70	100	70	N	<20	20	50	N	20	N
5145	N	N	10	70	70	70	N	<20	20	30	N	20	N
5147	N	N	15	50	50	50	N	<20	20	30	N	20	N
5149	N	N	15	50	30	50	N	<20	20	30	N	20	N
5151	N	N	20	50	50	50	N	<20	20	50	N	20	N
5153	N	N	15	70	50	50	N	<20	20	50	N	20	N
5155	N	N	15	70	50	70	N	<20	50	70	N	15	N
5157	N	N	10	50	30	50	N	<20	20	70	N	10	N
5159	N	N	10	30	30	70	N	<20	10	30	N	15	N
5161	N	N	10	100	30	100	N	<20	15	50	N	20	N
5163	N	N	10	100	50	100	N	<20	10	30	N	20	N
5165	N	N	10	50	30	70	N	<20	10	30	N	20	N
5167	N	N	10	20	20	70	N	<20	10	20	N	10	N
5169	N	N	10	70	30	50	N	<20	30	50	N	15	N
5171	N	N	10	70	20	50	N	<20	20	30	N	10	N
5173	N	N	10	50	50	50	N	<20	30	30	N	10	N
5175	N	N	15	70	30	70	N	<20	20	20	N	20	N
5177	N	N	10	50	20	50	N	<20	20	20	N	10	N
5179	N	N	15	70	30	50	N	<20	30	50	N	20	N
5181	N	N	10	70	20	50	N	<20	30	20	N	20	N
5183	N	N	20	100	30	50	N	<20	30	50	N	20	N
5185	N	N	15	70	30	50	N	<20	20	50	N	20	N
5187	N	N	10	50	50	70	N	<20	20	30	N	20	N
5189	N	N	10	100	50	50	N	<20	20	30	N	20	N
5191	N	N	15	70	70	70	N	<20	30	30	N	20	N
6001	N	N	20	100	50	70	N	<20	20	50	N	20	N
6003	N	N	20	50	50	100	N	<20	20	30	N	20	N
6005	N	N	20	70	50	100	N	<20	20	50	N	20	N
6007	N	N	20	150	50	200	N	<20	30	50	N	20	N
6009	N	N	20	100	50	70	N	<20	50	70	N	20	N
6011	N	N	20	70	30	200	N	20	20	50	N	20	N
6013	N	N	10	100	30	70	N	20	20	50	N	20	N
6015	N	N	10	70	20	70	N	20	10	50	N	20	N
6017	N	N	15	70	50	70	N	20	20	50	N	20	N
6019	N	N	10	50	50	50	N	<20	10	30	N	20	N
6021	N	N	30	200	30	70	N	20	20	30	N	20	N
6023	N	N	10	100	30	70	N	20	10	30	N	20	N
6025	N	N	10	100	30	70	N	20	10	30	N	20	N
6027	N	N	15	70	50	100	N	20	20	50	N	20	N
6029	N	N	10	50	30	70	N	<20	15	50	N	20	N
6031	N	N	10	70	50	70	N	20	15	50	N	20	N
6033	N	N	10	50	20	70	N	<20	10	50	N	20	N
6035	N	N	10	50	30	50	N	<20	10	50	N	20	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
5139	200	150	N	100	N	300	N	N	45	.1	N	N
5141	200	150	N	50	N	300	N	N	25	N	N	N
5143	200	100	N	50	N	200	N	N	290	.6	N	N
5145	200	100	N	50	N	200	N	N	160	.2	N	N
5147	150	100	N	70	N	300	N	N	65	.1	N	N
5149	300	100	N	50	N	200	N	N	65	N	N	N
5151	300	100	N	50	N	300	N	N	90	.1	N	N
5153	300	150	N	70	N	200	N	N	75	.2	N	N
5155	200	100	N	20	200	200	N	N	200	.4	N	N
5157	150	100	N	20	<200	300	N	10.0	200	1.1	N	1
5159	300	100	N	50	N	200	N	N	35	.1	N	N
5161	500	150	N	70	N	300	N	N	35	.1	N	N
5163	300	150	N	70	N	500	N	N	55	.1	N	N
5165	300	150	N	50	N	300	N	N	35	.1	N	N
5167	300	100	N	50	N	200	N	N	25	N	N	N
5169	200	100	N	50	N	300	N	N	45	.2	N	N
5171	200	100	N	50	N	300	N	N	35	.1	N	N
5173	200	100	N	50	N	300	N	N	40	.3	N	N
5175	150	100	N	70	N	300	N	N	55	.1	N	N
5177	150	150	N	20	N	200	N	N	20	.2	N	N
5179	200	100	N	50	N	300	N	N	45	.2	N	N
5181	100	100	N	50	N	300	N	N	45	.1	N	N
5183	200	200	N	50	N	300	N	N	50	N	N	N
5185	300	100	N	50	N	200	N	N	65	.2	N	N
5187	300	100	N	50	N	300	N	N	75	.2	N	N
5189	200	200	N	50	N	200	N	N	70	.1	N	N
5191	200	150	N	50	N	200	N	N	70	.2	N	N
6001	700	200	N	70	N	300	N	--	--	--	--	--
6003	700	150	N	70	N	100	N	--	--	--	--	--
6005	500	200	N	70	N	70	N	--	--	--	--	--
6007	1,000	200	N	70	N	500	N	--	--	--	--	--
6009	200	150	N	50	N	200	N	--	--	--	--	--
6011	200	200	N	70	N	300	N	--	--	--	--	--
6013	200	200	N	50	N	300	N	--	--	--	--	--
6015	200	150	N	50	N	500	N	--	--	--	--	--
6017	200	200	N	50	N	300	N	--	--	--	--	--
6019	300	100	N	50	N	300	N	--	--	--	--	--
6021	100	200	N	100	N	500	N	--	--	--	--	--
6023	200	200	N	70	N	500	N	--	--	--	--	--
6025	200	150	N	70	N	500	N	--	--	--	--	--
6027	200	150	N	70	N	300	N	--	--	--	--	--
6029	200	150	N	50	N	150	N	--	--	--	--	--
6031	150	150	N	70	N	300	N	--	--	--	--	--
6033	200	100	N	50	N	200	N	--	--	--	--	--
6035	200	100	N	50	N	300	N	--	--	--	--	--

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA	S-BE
6037	38 2 1	105 38 34	5.0	1.0	1.0	.50	1,500	N	N	N	50	1,000	1.5
6039	38 3 40	105 38 38	10.0	1.0	.7	.50	2,000	N	N	N	50	1,000	1.5
6041	38 3 40	105 38 40	5.0	1.5	.7	.50	1,500	N	N	N	100	1,000	2.0
6043	38 18 3	105 47 42	3.0	1.0	.5	.50	300	N	N	N	100	700	2.0
6045	38 18 27	105 47 2	3.0	1.0	.5	.50	300	N	N	N	100	700	1.5
6047	38 13 45	105 46 32	3.0	1.0	.5	.50	200	N	N	N	100	700	1.5
6053	38 19 12	105 53 10	5.0	1.0	1.5	.30	1,000	N	N	N	20	300	2.0
6055	38 19 12	105 53 21	3.0	1.0	1.5	.30	1,000	N	N	N	20	300	2.0
6057	38 19 3	105 53 32	7.0	1.0	1.5	.50	1,000	N	N	N	20	300	2.0
6059	38 18 52	105 54 28	7.0	1.5	1.5	.50	1,500	N	N	N	20	700	2.0
6061	38 20 35	105 54 4	5.0	1.0	1.5	.30	1,500	N	N	N	20	700	2.0
6065	38 20 9	105 54 42	5.0	.7	1.0	.30	1,000	N	N	N	20	500	2.0
6067	38 19 48	105 54 56	5.0	1.0	1.5	.50	1,500	N	N	N	20	700	2.0
6069	38 19 45	105 54 55	2.0	.7	1.5	.20	700	N	N	N	10	300	2.0
6071	38 19 40	105 55 6	3.0	1.0	1.5	.30	1,000	N	N	N	20	500	2.0
6073	38 16 35	105 42 14	5.0	1.0	1.0	.50	1,500	N	N	N	50	700	2.0
6075	38 16 20	105 42 5	7.0	1.0	1.0	.50	1,500	N	N	N	30	700	2.0
6077	38 16 23	105 41 56	3.0	.5	1.0	.30	700	N	N	N	20	700	2.0
6079	38 16 18	105 41 25	5.0	.7	1.0	.50	1,000	N	N	N	30	700	2.0
6081	38 16 6	105 41 18	5.0	.7	1.5	.50	1,000	N	N	N	20	700	2.0
6091	37 41 15	105 27 25	5.0	1.0	2.0	.50	1,000	N	N	N	10	700	1.5
6093	37 41 18	105 26 58	5.0	1.0	1.5	.50	1,000	N	N	N	20	700	1.5
6095	37 41 4	105 26 59	7.0	1.0	1.5	.50	1,500	N	N	N	20	700	1.5
6097	37 40 41	105 26 41	5.0	1.0	1.5	.50	1,000	N	N	N	10	700	1.5
6099	37 40 22	105 27 22	5.0	1.0	1.5	.30	1,000	N	N	N	20	700	1.5
6101	37 39 28	105 27 53	7.0	1.0	2.0	.50	1,500	N	N	N	10	700	1.5

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB	S-SC	S-SN
6037	N	N	10	30	30	70	N	<20	10	50	N	20	N
6039	N	N	15	100	30	50	N	<20	20	50	N	20	N
6041	N	N	10	50	30	70	N	<20	20	30	N	20	N
6043	N	N	10	50	30	100	N	<20	20	20	N	10	N
6045	N	N	10	30	20	70	N	<20	20	20	N	15	N
6047	N	N	15	70	20	50	N	<20	20	20	N	10	N
6053	N	N	15	150	50	50	N	<20	50	70	N	20	N
6055	N	N	10	30	50	50	N	<20	15	70	N	20	N
6057	N	N	20	150	50	50	N	<20	50	50	N	30	N
6059	N	N	20	150	50	50	N	<20	20	50	N	20	N
6061	N	N	20	150	100	50	N	<20	30	50	N	20	N
6065	N	N	15	50	20	70	N	<20	15	30	N	30	N
6067	N	N	10	100	20	100	N	<20	20	30	N	10	N
6069	N	N	5	20	50	50	N	<20	10	20	N	20	N
6071	N	N	10	70	30	200	N	<20	20	30	N	30	N
6073	N	N	15	70	50	100	N	20	20	70	N	30	N
6075	N	N	15	100	50	70	N	20	20	50	N	20	N
6077	N	N	10	20	15	70	N	<20	10	30	N	20	N
6079	N	N	10	50	20	70	N	<20	10	50	N	20	N
6081	N	N	10	30	20	70	N	<20	10	30	N	20	N
6091	N	N	15	100	15	50	N	<20	20	30	N	20	N
6093	N	N	15	70	15	70	N	<20	20	30	N	20	N
6095	N	N	20	70	30	70	N	<20	10	20	N	20	N
6097	N	N	15	50	20	70	N	<20	10	30	N	20	N
6099	N	N	20	70	30	50	N	<20	30	30	N	20	N
6101	N	N	15	50	30	70	N	<20	20	20	N	20	N

TABLE 3.--Data for minus-80-mesh stream-sediment samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH	AA-AS-P	AA-ZN-P	AA-CD-P	AA-BI-P	AA-SB-P
6037	200	100	N	50	N	200	N	--	--	--	--	--
6039	150	200	N	70	N	300	N	--	--	--	--	--
6041	150	150	N	50	N	200	N	--	--	--	--	--
6043	150	70	N	30	N	200	N	--	--	--	--	--
6045	150	70	N	20	N	200	N	--	--	--	--	--
6047	100	100	N	30	N	150	N	--	--	--	--	--
6053	300	150	N	50	N	150	N	--	--	--	--	--
6055	200	100	N	50	N	500	N	--	--	--	--	--
6057	200	150	N	50	<200	150	N	--	--	--	--	--
6059	500	150	N	50	N	200	N	--	--	--	--	--
6061	200	150	N	70	N	200	N	--	--	--	--	--
6065	200	100	N	70	N	200	N	--	--	--	--	--
6067	300	100	N	100	<200	50	N	--	--	--	--	--
6069	200	100	N	70	N	300	N	--	--	--	--	--
6071	200	100	N	70	N	300	N	--	--	--	--	--
6073	200	100	N	70	N	300	N	--	--	--	--	--
6075	200	150	N	70	N	300	N	--	--	--	--	--
6077	200	100	N	50	N	300	N	--	--	--	--	--
6079	300	100	N	70	N	300	N	--	--	--	--	--
6081	300	100	N	70	N	300	N	--	--	--	--	--
6091	500	150	N	50	N	300	N	--	--	--	--	--
6093	500	150	N	50	N	300	N	--	--	--	--	--
6095	1,000	200	N	50	N	300	N	--	--	--	--	--
6097	700	150	N	50	N	300	N	--	--	--	--	--
6099	700	100	N	30	N	300	N	--	--	--	--	--
6101	1,000	150	N	50	N	300	N	--	--	--	--	--

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
0002C	38 1 4	105 41 13	7.0	.50	7.00	>1.0	700	N	N	N	100	200
0013C	38 8 6	105 46 5	5.0	.20	7.00	>1.0	500	N	N	N	300	>5,000
0017C	38 10 50	105 44 45	7.0	.30	7.00	>1.0	500	N	N	N	150	>5,000
0019C	38 9 56	105 47 14	2.0	.20	2.00	>1.0	200	N	N	N	100	>5,000
0031C	38 10 42	105 47 55	5.0	.20	3.00	>1.0	200	N	N	N	70	>5,000
0039C	38 17 11	105 51 50	10.0	3.00	5.00	>1.0	700	N	N	N	300	>5,000
0040C	38 16 49	105 52 9	2.0	1.50	10.00	>1.0	700	N	N	N	--	500
0045C	38 20 52	105 56 16	1.5	.20	7.00	>1.0	1,000	N	N	N	70	150
0050C	38 23 55	105 59 44	.5	.10	20.00	>1.0	500	N	N	N	20	100
0051C	38 23 26	106 0 16	1.0	.15	20.00	>1.0	500	N	N	N	100	100
0053C	38 7 46	105 36 18	2.0	.20	5.00	>1.0	700	N	N	N	100	700
0056C	38 8 6	105 36 58	10.0	.20	5.00	>1.0	700	N	N	N	70	200
0062C	38 16 33	105 45 36	2.0	.20	3.00	>1.0	200	N	N	N	100	>5,000
0063C	38 16 40	105 45 35	7.0	.70	5.00	>1.0	300	N	N	N	100	>5,000
0064C	38 17 23	105 45 37	5.0	.70	5.00	>1.0	300	10	N	500	150	>5,000
0065C	38 18 14	105 45 20	7.0	.30	3.00	>1.0	200	N	N	N	100	>5,000
0066C	38 18 57	105 45 17	3.0	.30	2.00	>1.0	150	N	N	N	100	>5,000
0067C	38 18 58	105 45 19	2.0	.20	5.00	>1.0	200	N	N	N	100	>5,000
0068C	38 19 35	105 44 40	3.0	.20	5.00	>1.0	500	N	N	N	100	>5,000
0098C	37 56 7	105 38 18	10.0	.70	7.00	>1.0	1,000	N	N	N	200	>5,000
0109C	38 13 55	105 41 11	5.0	.30	5.00	>1.0	500	N	N	N	20	200
0110C	38 13 57	105 41 13	2.0	.30	7.00	>1.0	500	N	N	N	50	200
0111C	38 14 4	105 40 49	2.0	.20	7.00	>1.0	500	N	N	N	20	200
0112C	38 14 22	105 40 1	3.0	.30	3.00	>1.0	300	N	N	N	50	>5,000
0113C	38 14 28	105 40 6	2.0	.30	5.00	>1.0	500	N	N	N	20	>5,000
0114	38 5 22	105 37 58	5.0	.30	5.00	>1.0	500	N	N	N	500	700
0116	38 5 51	105 37 6	2.0	.30	5.00	>1.0	500	N	N	N	70	>5,000
0120	38 6 3	105 36 20	3.0	.50	7.00	>1.0	500	N	N	N	50	>5,000
0122	38 7 5	105 35 50	1.5	.30	7.00	>1.0	500	N	N	N	70	1,500
0128	37 53 43	105 34 27	2.0	.30	15.00	>1.0	700	N	N	N	20	700
0130	37 53 35	105 34 45	1.5	.20	10.00	>1.0	500	N	N	N	20	700
0132	37 53 24	105 35 2	2.0	.10	10.00	>1.0	700	N	N	N	20	700
0134	37 53 25	105 35 3	2.0	.20	15.00	>1.0	700	N	N	N	20	500
0136	37 53 19	105 35 21	1.5	.20	15.00	>1.0	1,000	N	N	N	20	500
0142	37 52 47	105 35 46	2.0	.50	7.00	>1.0	700	N	N	N	20	500
0144	37 52 48	105 35 45	2.0	.30	10.00	>1.0	700	N	N	N	20	500
0146	37 52 25	105 36 22	2.0	.20	10.00	>1.0	700	N	N	N	20	500
0154	37 35 27	105 28 40	7.0	1.00	7.00	>1.0	1,000	N	N	N	20	300
0156	37 35 29	105 28 40	5.0	1.00	10.00	>1.0	1,000	N	N	N	100	500
0158	37 36 16	105 28 28	2.0	.70	5.00	>1.0	700	N	N	N	100	500
0160	37 36 17	105 28 25	1.5	.20	1.00	>1.0	150	N	N	N	50	300
0162	37 36 45	105 28 18	3.0	1.00	5.00	>1.0	700	N	N	N	50	1,500
0164	37 36 55	105 28 23	3.0	.50	2.00	>1.0	200	N	N	N	70	200
0166	37 37 13	105 28 18	2.0	.30	5.00	>1.0	500	N	N	N	50	300
0168	37 38 4	105 28 16	2.0	.30	3.00	>1.0	300	N	N	N		

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
0002C	<2	N	N	10	50	50	500	N	50	10	70	N
0013C	2	N	N	10	30	50	500	N	50	10	50	N
0017C	2	N	N	20	70	50	200	N	50	20	50	N
0019C	<2	N	N	<10	100	30	200	N	50	10	50	N
0031C	<2	150	N	30	200	50	500	<10	50	20	50	N
0039C	<2	N	N	20	500	150	500	50	100	50	100	N
0040C	<2	N	N	10	150	300	150	20	150	30	300	N
0045C	<2	N	N	<10	<20	50	500	20	50	10	100	N
0050C	<2	N	N	<10	N	50	100	N	200	<10	10	N
0051C	<2	N	N	<10	N	50	700	N	300	<10	50	N
0053C	5	N	N	<10	20	50	500	N	<50	<10	50	N
0056C	2	N	N	<10	70	100	300	N	<50	20	70	N
0062C	<2	150	N	<10	70	70	300	N	70	20	20	N
0063C	<2	<20	N	<10	150	50	500	N	70	20	100	N
0064C	<2	<20	N	15	100	70	700	N	50	20	20	N
0065C	<2	<20	N	10	100	100	300	N	50	20	20	N
0066C	<2	N	N	<10	100	70	200	N	100	20	50	N
0067C	<2	N	N	<10	100	700	500	N	70	20	50	N
0068C	2	N	N	<10	70	150	300	N	<50	20	70	N
0098C	2	N	N	10	100	150	500	50	50	20	500	N
0109C	2	N	N	<10	30	50	100	N	50	10	50	N
0110C	3	N	N	<10	30	30	150	N	50	<10	50	N
0111C	3	N	N	<10	N	20	150	N	<50	<10	50	N
0112C	5	N	N	<10	<20	30	70	N	<50	10	50	N
0113C	2	N	N	<10	<20	50	70	N	<50	10	200	N
0114	2	N	N	<10	50	30	500	N	<50	10	70	N
0116	3	N	N	<10	50	50	150	N	<50	10	1,000	N
0120	<2	N	N	<10	30	50	150	N	50	10	150	N
0122	2	N	N	<10	50	50	200	N	50	10	1,000	N
0128	<2	N	N	<10	<20	30	200	N	50	10	70	N
0130	<2	N	N	<10	<20	20	150	N	<50	10	50	N
0132	<2	N	N	<10	N	30	200	N	<50	<10	50	N
0134	<2	N	N	<10	N	30	200	N	<50	<10	50	N
0136	2	N	N	<10	N	20	200	N	50	<10	50	N
0142	2	N	N	<10	50	20	200	N	50	10	30	N
0144	2	N	N	<10	30	300	300	N	<50	10	200	N
0146	2	N	N	<10	20	100	200	N	<50	10	50	N
0154	<2	N	N	<10	100	70	100	N	50	20	50	N
0156	<2	<20	N	20	100	300	50	N	<50	20	700	N
0158	<2	<20	N	<10	70	50	50	N	<50	10	15,000	N
0160	<2	N	N	10	200	700	70	N	<50	10	150	N
0162	<2	N	N	20	100	100	100	200	50	20	1,500	N
0164	<2	N	N	50	100	70	50	N	50	20	70	N
0166	<2	N	N	<10	200	50	70	<10	<50	50	500	N
0168	<2	N	N	<10	100	20	50	<10	50	50	50	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0002C	30	50	<200	150	N	1,000	N	>1,000	N
0013C	30	N	200	150	N	1,500	N	>1,000	N
0017C	20	<20	200	150	N	1,500	N	>1,000	N
0019C	50	50	2,000	200	500	1,500	N	>1,000	N
0031C	20	50	2,000	200	200	1,000	N	>1,000	N
0039C	50	30	200	150	150	700	N	>1,000	300
0040C	N	50	200	150	<100	700	N	>1,000	N
0045C	<10	50	<200	100	300	1,000	N	>1,000	N
0050C	N	20	200	100	N	500	N	>1,000	N
0051C	N	50	200	150	<100	500	N	>1,000	N
0053C	20	20	<200	150	N	1,500	N	>1,000	N
0056C	20	20	<200	200	N	1,500	N	>1,000	500
0062C	10	50	200	200	200	700	N	>1,000	N
0063C	30	50	700	200	<100	1,500	N	>1,000	N
0064C	30	50	200	200	100	700	N	>1,000	N
0065C	10	30	200	200	100	1,000	N	>1,000	N
0066C	30	<20	1,500	200	<100	1,000	N	>1,000	N
0067C	30	50	1,500	200	100	1,000	N	>1,000	N
0068C	30	20	1,000	200	<100	1,500	N	>1,000	N
0098C	20	30	700	200	100	1,500	N	>1,000	N
0109C	10	20	<200	150	N	1,000	N	>1,000	N
0110C	20	50	<200	150	N	1,000	N	>1,000	N
0111C	20	20	<200	150	N	1,000	N	>1,000	N
0112C	10	300	500	100	N	1,000	N	>1,000	N
0113C	10	N	500	150	N	700	N	>1,000	N
0114	50	N	<200	150	N	1,500	N	>1,000	<200
0116	50	<20	<200	150	N	1,500	N	>1,000	N
0120	20	20	200	150	N	700	N	>1,000	N
0122	30	100	<200	150	N	1,500	N	>1,000	N
0128	N	<20	200	100	N	700	N	>1,000	N
0130	<10	N	200	50	N	500	N	>1,000	N
0132	<10	20	<200	70	N	700	N	>1,000	N
0134	N	20	<200	100	N	700	N	>1,000	N
0136	10	20	<200	100	N	1,000	N	>1,000	N
0142	30	20	<200	100	N	700	N	>1,000	N
0144	30	20	<200	100	N	1,000	N	>1,000	N
0146	20	70	<200	100	N	1,000	N	>1,000	N
0154	20	N	500	150	1,000	300	N	>1,000	N
0156	20	>1,000	1,000	100	100	200	N	>1,000	N
0158	10	700	700	100	500	200	N	>1,000	N
0160	50	30	<200	200	N	700	N	>1,000	N
0162	50	N	500	200	N	300	N	>1,000	N
0164	10	N	200	100	100	300	N	>1,000	N
0166	50	20	500	150	200	700	N	>1,000	N
0168	N	N	300	100	1,000	150	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
0170	37 38 3	105 28 15	2.0	.50	7.00	>1.0	700	N	N	N	50	200
0172	37 38 39	105 28 8	2.0	.30	10.00	>1.0	700	N	N	N	50	100
0174	37 38 37	105 28 4	2.0	.30	5.00	>1.0	700	N	N	N	50	200
0178	37 57 35	105 33 13	2.0	.50	7.00	>1.0	700	N	N	N	100	200
0180	37 57 40	105 33 7	3.0	.30	10.00	>1.0	700	N	N	N	100	200
0182	37 58 2	105 32 18	2.0	.30	7.00	>1.0	1,000	N	N	N	50	200
0184	37 57 58	105 32 18	7.0	.50	7.00	>1.0	1,000	N	N	N	300	200
0186	37 58 4	105 31 53	5.0	.50	10.00	>1.0	1,000	N	N	N	150	200
0188	37 58 35	105 30 22	5.0	.50	10.00	>1.0	1,000	N	N	N	100	1,000
0190	38 4 45	105 33 57	7.0	.50	7.00	>1.0	700	N	N	N	200	300
0192	38 6 4	105 34 3	5.0	.30	5.00	>1.0	700	N	N	N	200	500
0194	38 1 4	105 34 55	3.0	.50	7.00	>1.0	1,000	N	N	N	100	1,500
0196	38 1 7	105 34 50	7.0	.30	7.00	>1.0	1,000	10	N	N	300	5,000
0198	38 1 30	105 34 0	5.0	.30	5.00	>1.0	700	N	N	N	100	>5,000
0200	38 2 5	105 33 7	7.0	.30	5.00	>1.0	700	N	N	N	200	>5,000
0202	38 2 38	105 32 25	3.0	.30	7.00	>1.0	700	N	N	N	150	>5,000
0204	37 56 36	105 31 58	2.0	.50	10.00	>1.0	700	N	N	N	100	150
0206	37 56 37	105 31 59	2.0	.30	10.00	>1.0	700	N	N	N	50	100
0208	37 55 40	105 30 55	2.0	.30	15.00	>1.0	700	N	N	N	20	150
0210	37 55 16	105 30 28	2.0	.30	10.00	>1.0	700	N	N	N	20	100
0212	37 54 46	105 30 1	2.0	.30	10.00	>1.0	700	N	N	N	20	100
0214	37 54 10	105 29 46	1.0	.20	10.00	>1.0	500	N	N	N	50	150
0216	37 54 2	105 29 52	1.5	.20	10.00	>1.0	500	N	N	N	100	100
0218	38 4 43	105 35 22	5.0	.20	5.00	>1.0	500	N	N	N	20	100
0220	38 3 42	105 36 53	5.0	.30	7.00	>1.0	700	N	N	N	200	100
0222	38 5 25	105 36 11	7.0	.20	5.00	>1.0	500	N	N	N	150	>5,000
0224	38 4 24	105 37 33	5.0	.20	5.00	>1.0	1,000	N	N	N	100	3,000
0226	38 4 33	105 37 30	5.0	.50	5.00	>1.0	700	N	N	N	150	1,000
0228	38 3 54	105 34 45	2.0	.50	5.00	>1.0	500	N	N	N	100	1,000
0230	38 2 57	105 36 30	7.0	.30	5.00	>1.0	700	N	N	N	200	200
0232	38 2 35	105 35 44	5.0	.20	3.00	>1.0	700	N	N	N	100	>5,000
0234	38 3 33	105 34 35	5.0	.30	5.00	>1.0	700	N	N	N	200	>5,000
0236	38 2 12	105 34 0	5.0	.30	7.00	>1.0	700	N	N	N	100	1,500
0238	38 4 42	105 39 54	2.0	.50	3.00	>1.0	700	N	N	N	70	700
0240	38 4 44	105 39 54	3.0	1.00	1.50	>1.0	700	N	N	N	200	700
0242	38 4 10	105 40 23	1.5	.50	3.00	>1.0	500	N	N	N	50	700
0244	38 3 48	105 40 40	1.5	.20	7.00	>1.0	500	N	N	N	50	500
0246	38 3 49	105 40 45	5.0	.20	5.00	>1.0	700	N	N	N	150	200
0248	38 3 29	105 41 5	1.0	.20	2.00	>1.0	300	N	N	N	20	700
0250	38 3 20	105 41 24	2.0	.20	3.00	>1.0	500	N	N	N	50	700
0252	38 3 8	105 41 42	1.0	.10	1.50	.7	200	N	N	N	20	700
0254	38 2 32	105 42 34	3.0	.50	7.00	>1.0	1,000	N	N	N	200	500
0256	38 1 55	105 43 16	1.5	.50	2.00	>1.0	300	N	N	N	50	700
0258	38 2 11	105 43 10	1.5	.20	5.00	>1.0	300	20	N	N	50	700
0260	38 2 53	105 43 1	5.0	.50	7.00	>1.0	700	N	N	N	700	200

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
0170	<2	N	N	<10	70	50	150	<10	70	20	50	N
0172	<2	N	N	<10	100	50	200	N	50	20	30	N
0174	<2	N	N	<10	70	100	100	20	50	10	700	N
0178	<2	N	N	<10	70	300	200	5	50	10	70	N
0180	<2	N	N	<10	70	50	200	20	70	10	70	N
0182	<2	N	N	<10	20	30	200	5	50	<10	50	N
0184	<2	N	N	<10	70	30	200	5	50	10	70	N
0186	<2	N	N	<10	70	30	200	<10	50	10	70	N
0188	<2	N	N	<10	70	30	200	<10	50	10	700	N
0190	<2	N	N	<10	100	30	200	<10	50	10	700	N
0192	5	N	N	<10	50	20	200	N	<50	10	70	N
0194	<2	N	N	<10	20	20	200	N	50	10	100	N
0196	<2	N	N	<10	50	100	300	70	50	10	5,000	N
0198	<2	N	N	<10	50	700	200	5	100	15	70	N
0200	<2	N	N	<10	50	70	200	N	70	10	70	N
0202	<2	N	N	<10	30	500	300	N	100	<10	70	N
0204	<2	N	N	15	70	20	300	N	50	10	50	N
0206	<2	N	N	<10	70	30	300	N	50	10	70	N
0208	<2	N	N	20	70	20	500	N	50	<10	50	N
0210	<2	N	N	10	50	20	500	N	50	10	50	N
0212	<2	N	N	<10	50	20	500	N	50	<10	50	N
0214	N	N	N	N	20	20	200	N	<50	<10	50	N
0216	N	N	N	N	50	20	500	N	<50	<10	50	N
0218	5	N	N	N	50	100	200	N	<50	10	50	N
0220	2	N	N	N	20	150	300	N	<50	10	50	N
0222	2	N	N	N	100	150	300	N	50	10	500	N
0224	<2	N	N	N	20	50	200	N	<50	10	70	N
0226	<2	N	N	N	<20	20	100	N	50	10	50	N
0228	3	N	N	N	<20	20	100	N	<50	<10	50	N
0230	<2	N	N	N	50	20	300	N	<50	10	50	N
0232	2	N	N	N	<20	200	150	N	<50	10	50	N
0234	3	N	N	N	20	300	200	N	100	<10	50	N
0236	2	N	N	N	20	50	200	N	50	<10	70	N
0238	<2	N	N	<10	<20	50	50	N	50	<10	300	N
0240	<2	N	N	<10	<20	50	150	N	50	<10	100	N
0242	<2	N	N	<10	<20	50	50	N	<50	<10	50	N
0244	<2	N	N	<10	<20	50	100	N	50	<10	50	N
0246	<2	N	N	<10	<20	100	100	N	200	10	50	N
0248	<2	N	N	<10	<20	70	50	N	50	<10	50	N
0250	<2	N	N	<10	<20	50	50	N	70	10	70	N
0252	<2	N	N	<10	<20	20	<50	N	50	<10	20	N
0254	<2	N	N	<10	20	50	150	N	50	10	50	N
0256	<2	N	N	<10	<20	50	100	N	50	<10	50	N
0258	<2	N	N	<10	<20	100	150	N	50	10	50	N
0260	<2	N	N	<10	50	100	500	N	50	10	70	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0170	N	20	500	100	1,000	500	N	>1,000	N
0172	N	20	200	200	<100	500	N	>1,000	N
0174	10	20	200	200	500	500	N	>1,000	N
0178	20	20	<200	200	<100	700	N	>1,000	N
0180	10	50	<200	200	N	700	N	>1,000	N
0182	<10	30	<200	200	N	700	N	>1,000	N
0184	20	20	<200	200	N	700	N	>1,000	N
0186	20	30	<200	200	N	700	N	>1,000	N
0188	20	50	<200	200	N	700	N	>1,000	N
0190	20	50	<200	200	N	1,000	N	>1,000	N
0192	50	20	<200	150	N	1,500	N	>1,000	N
0194	20	20	<200	100	N	700	N	>1,000	N
0196	20	30	<200	200	700	700	N	>1,000	N
0198	20	20	1,500	150	N	500	N	>1,000	N
0200	10	20	200	150	N	500	N	>1,000	N
0202	20	50	<200	150	N	1,000	N	>1,000	N
0204	20	50	200	200	N	700	N	>1,000	N
0206	20	50	<200	200	N	700	N	>1,000	N
0208	20	50	200	200	N	700	N	>1,000	N
0210	20	50	<200	200	N	700	N	>1,000	N
0212	20	50	<200	200	N	700	N	>1,000	N
0214	10	20	200	150	N	500	N	>1,000	N
0216	10	30	200	150	N	700	N	>1,000	N
0218	20	30	<200	150	N	1,500	N	>1,000	N
0220	30	20	<200	100	N	1,000	N	>1,000	N
0222	30	N	1,000	150	N	1,000	500	>1,000	N
0224	10	50	<200	150	N	500	N	>1,000	N
0226	10	N	<200	100	N	700	N	>1,000	N
0228	10	N	<200	100	N	700	N	>1,000	N
0230	20	N	<200	150	N	1,500	N	>1,000	<200
0232	10	N	1,500	100	N	1,000	N	>1,000	N
0234	20	20	500	150	N	1,500	N	>1,000	N
0236	20	50	<200	150	N	1,000	N	>1,000	N
0238	N	N	N	70	N	200	N	>1,000	N
0240	N	N	N	100	N	150	N	>1,000	N
0242	N	N	N	100	N	300	N	>1,000	N
0244	N	N	N	100	N	700	N	>1,000	N
0246	N	N	N	100	N	1,500	N	>1,000	200
0248	N	N	<200	70	N	200	N	>1,000	N
0250	N	N	<200	100	N	500	N	>1,000	<200
0252	N	N	N	50	N	300	N	>1,000	N
0254	<10	N	N	100	N	1,000	N	>1,000	N
0256	N	N	<200	70	N	150	N	>1,000	N
0258	<10	N	<200	100	N	500	N	>1,000	N
0260	20	30	<200	150	N	1,000	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
0262	37 51 15	105 26 43	1.5	.20	10.00	>1.0	700	N	N	N	20	150
0264	37 51 25	105 26 29	1.0	.10	5.00	>1.0	200	N	N	N	20	700
0266	37 51 10	105 26 30	1.0	.20	5.00	>1.0	200	N	N	N	20	700
0268	37 50 10	105 26 18	1.0	.20	7.00	>1.0	300	N	N	N	20	700
0270	37 49 43	105 26 55	2.0	.30	7.00	>1.0	700	N	N	N	20	700
0272	37 49 40	105 25 2	2.0	.70	10.00	>1.0	700	N	N	N	20	500
0274	37 49 9	105 27 39	1.0	.15	5.00	>1.0	200	N	N	N	20	700
0276	37 48 41	105 28 20	1.0	.15	7.00	>1.0	500	N	N	N	20	500
0278	37 46 28	105 30 26	1.0	.10	7.00	>1.0	500	N	N	N	20	700
0280	38 6 52	105 40 11	2.0	.30	7.00	>1.0	500	N	N	N	200	300
0282	38 6 27	105 40 27	2.0	.30	7.00	>1.0	500	N	N	N	100	1,500
0284	38 6 15	105 40 51	3.0	.20	5.00	>1.0	700	N	N	N	300	1,000
0286	38 6 14	105 41 22	7.0	.30	5.00	>1.0	700	N	N	N	200	1,000
0288	38 6 17	105 41 37	10.0	.20	3.00	>1.0	1,000	N	N	N	200	>5,000
0290	38 6 16	105 41 39	5.0	.50	7.00	>1.0	700	N	N	N	100	150
0292	38 6 21	105 42 8	5.0	.50	7.00	>1.0	700	N	N	N	50	2,000
0294	38 6 18	105 42 30	10.0	.50	5.00	>1.0	1,500	N	N	N	200	150
0296	38 6 6	105 42 25	5.0	.50	7.00	>1.0	700	N	N	N	500	5,000
0298	38 5 6	105 42 46	2.0	.70	5.00	>1.0	500	N	N	N	200	200
0300	38 6 0	105 42 58	2.0	.30	7.00	>1.0	700	N	N	N	50	500
0302	38 5 29	105 44 34	1.5	.20	5.00	>1.0	500	N	N	N	20	500
0304	38 5 32	105 44 36	2.0	.50	7.00	>1.0	700	N	N	N	200	1,000
0306	38 4 39	105 45 42	2.0	.50	7.00	>1.0	700	N	N	N	100	500
0308	38 22 9	105 57 47	2.0	.50	5.00	>1.0	1,500	N	N	N	100	200
0310	38 22 5	105 57 49	2.0	.70	7.00	>1.0	1,000	N	N	N	50	100
0312	38 21 27	105 58 7	1.0	.20	10.00	>1.0	500	N	N	N	20	100
0314	38 25 57	105 57 8	2.0	.30	7.00	>1.0	1,500	N	N	N	100	200
0316	38 21 4	105 57 35	2.0	.20	10.00	>1.0	1,000	N	N	N	20	100
0318	38 27 58	106 2 4	5.0	.50	2.00	>1.0	500	N	N	N	200	100
0320	38 27 58	106 2 2	2.0	.50	5.00	>1.0	500	N	N	N	100	100
0322	38 28 51	106 1 56	5.0	1.00	7.00	>1.0	700	N	N	N	500	2,000
0324	38 29 9	106 1 55	5.0	.50	7.00	>1.0	500	N	N	N	100	2,000
0326	38 28 17	106 0 39	2.0	1.00	1.50	>1.0	300	N	N	N	20	150
0328	38 28 37	106 0 15	2.0	.70	5.00	>1.0	500	N	N	N	70	700
0330	38 28 36	106 0 13	5.0	.50	2.00	>1.0	300	N	N	N	50	300
0332	38 28 51	106 1 11	7.0	.50	5.00	>1.0	1,000	N	N	N	50	300
0334	38 28 22	105 58 17	2.0	.50	5.00	>1.0	500	N	N	N	200	200
0336	38 26 30	105 59 46	5.0	.50	7.00	>1.0	1,000	N	N	N	100	200
0338	38 29 42	106 0 41	2.0	.50	10.00	>1.0	700	N	N	N	100	200
0340	38 29 8	105 58 31	2.0	.50	7.00	>1.0	700	N	N	N	70	5,000
0342	38 29 13	105 58 32	2.0	.30	5.00	>1.0	500	N	N	N	100	700
0344	38 29 41	105 58 15	2.0	.50	10.00	>1.0	700	N	N	N	200	5,000
0346	38 29 44	105 58 31	7.0	2.00	10.00	>1.0	2,000	N	N	N	200	3,000
0348	38 29 46	105 59 7	2.0	.50	10.00	>1.0	700	N	N	N	200	1,000
0350	37 47 27	105 28 31	2.0	.70	10.00	>1.0	1,000	N	N	N	20	500

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
0262	<2	N	N	<10	20	100	200	10	100	10	70	N
0264	<2	N	N	<10	<20	50	100	N	50	<10	30	N
0266	<2	N	N	<10	<20	70	150	N	70	<10	50	N
0268	<2	N	N	<10	<20	50	150	N	50	<10	30	N
0270	<2	N	N	<10	20	70	300	<10	70	<10	30	N
0272	<2	N	N	<10	<20	70	300	15	200	10	50	N
0274	<2	N	N	<10	<20	50	200	N	50	<10	20	N
0276	<2	N	N	<10	<20	50	300	N	50	<10	50	N
0278	<2	N	N	<10	<20	50	300	10	100	<10	50	N
0280	<2	N	N	<10	50	70	200	N	<50	10	50	N
0282	<2	N	N	<10	30	50	150	N	<50	10	30	N
0284	<2	N	N	<10	50	100	200	N	<50	10	50	N
0286	<2	N	N	<10	50	100	200	N	50	10	50	N
0288	<2	N	N	<10	100	100	300	N	50	15	50	N
0290	<2	N	N	<10	70	100	150	N	<50	15	200	N
0292	<2	N	N	<10	70	100	150	N	50	10	70	N
0294	<2	N	N	<10	100	100	300	N	50	15	70	N
0296	<2	N	N	<10	30	100	150	N	70	10	50	N
0298	<2	N	N	<10	<10	50	100	N	50	10	30	N
0300	<2	N	N	<10	<20	50	150	N	50	10	50	N
0302	<2	N	N	<10	<20	50	100	N	50	<10	50	N
0304	<2	N	N	<10	20	70	150	N	70	10	50	N
0306	<2	N	N	<10	20	70	100	N	<50	10	50	N
0308	<2	N	N	<10	30	70	500	N	100	10	50	N
0310	<2	N	N	<10	30	70	500	N	100	10	50	N
0312	<2	N	N	<10	50	50	200	<10	100	<10	50	N
0314	<2	N	N	<10	50	50	500	<10	70	10	50	N
0316	<2	N	N	<10	30	100	200	10	200	10	500	N
0318	<2	N	N	<10	50	100	1,000	N	300	10	70	N
0320	<2	N	N	<10	50	100	500	N	100	10	50	N
0322	<2	N	N	<10	70	100	500	N	150	10	70	N
0324	<2	N	N	<10	70	100	300	N	50	10	50	N
0326	<2	N	N	<10	70	100	500	N	1,000	15	20	N
0328	<2	N	N	<10	70	100	500	N	100	15	20	N
0330	<2	N	N	<10	20	50	150	N	50	<10	20	N
0332	<2	N	N	<10	50	150	100	N	<50	<10	100	N
0334	<2	N	N	<10	30	70	500	N	70	<10	50	N
0336	<2	100	N	<10	30	100	300	N	100	<10	500	N
0338	<2	N	N	<10	50	50	300	N	100	10	20	N
0340	<2	N	N	<10	20	50	500	N	50	10	50	N
0342	<2	N	N	10	20	50	300	N	50	10	50	N
0344	<2	N	N	<10	50	50	500	N	50	10	50	N
0346	<2	N	N	15	100	50	1,000	N	50	20	70	N
0348	<2	N	N	<10	20	50	700	N	50	10	20	N
0350	<2	N	N	<10	50	50	700	<10	50	10	50	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0262	<10	30	<200	150	N	700	N	>1,000	N
0264	N	N	500	100	N	200	N	>1,000	N
0266	N	N	500	70	N	200	N	>1,000	N
0268	N	N	500	70	N	200	N	>1,000	N
0270	N	50	300	100	N	700	N	>1,000	N
0272	N	50	200	100	N	700	N	>1,000	N
0274	N	N	500	70	N	200	N	>1,000	N
0276	N	30	500	100	N	700	N	>1,000	N
0278	N	30	500	100	N	500	N	>1,000	N
0280	30	N	N	100	N	1,000	N	>1,000	N
0282	20	N	N	100	N	700	N	>1,000	N
0284	50	20	N	100	N	1,000	N	>1,000	N
0286	20	N	N	150	N	1,000	N	>1,000	300
0288	20	N	200	200	N	1,000	N	>1,000	<200
0290	30	30	N	200	N	1,500	N	>1,000	N
0292	20	20	N	150	N	1,000	N	>1,000	N
0294	30	20	N	200	N	1,000	N	>1,000	<200
0296	10	N	200	150	N	700	N	>1,000	N
0298	<10	N	N	100	N	500	N	>1,000	N
0300	<10	N	N	100	N	500	N	>1,000	N
0302	N	N	N	100	N	500	N	>1,000	N
0304	10	20	<200	100	N	700	N	>1,000	N
0306	10	200	<200	150	N	700	N	>1,000	N
0308	10	<20	N	100	100	500	N	>1,000	N
0310	<10	30	N	150	N	700	N	>1,000	N
0312	10	50	<200	200	N	700	N	>1,000	N
0314	10	N	N	150	1,000	500	N	>1,000	N
0316	10	50	<200	150	200	1,000	N	>1,000	N
0318	15	30	N	100	N	1,000	N	>1,000	N
0320	20	50	N	100	N	1,000	N	>1,000	N
0322	30	100	N	150	N	1,500	N	>1,000	N
0324	20	<20	N	200	N	1,000	N	>1,000	N
0326	10	30	<200	70	<100	200	N	>1,000	N
0328	10	N	<200	150	N	500	N	>1,000	N
0330	N	N	<200	50	N	150	N	>1,000	N
0332	10	N	<200	100	N	1,000	N	>1,000	N
0334	<10	20	N	100	N	500	N	>1,000	N
0336	<10	50	N	100	<100	700	N	>1,000	N
0338	10	50	<200	150	N	700	N	>1,000	N
0340	10	20	<200	150	N	700	N	>1,000	N
0342	10	20	<200	100	N	700	N	>1,000	N
0344	10	30	300	100	N	700	N	>1,000	N
0346	20	20	300	150	N	700	N	>1,000	N
0348	10	20	300	100	N	700	N	>1,000	N
0350	10	70	<200	150	N	1,500	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
0352	37 47 7	105 28 42	2.0	.20	7.00	>1.0	700	N	N	N	20	200
0354	37 46 55	105 29 0	2.0	.20	7.00	>1.0	700	N	N	N	20	150
0356	37 47 6	105 29 6	2.0	.20	7.00	>1.0	700	N	N	N	20	500
0358	37 46 10	105 28 35	3.0	.50	7.00	>1.0	700	N	N	N	20	150
0360	37 46 17	105 29 22	2.0	.30	7.00	>1.0	700	N	N	N	20	100
0362	37 46 52	105 27 38	3.0	1.00	7.00	>1.0	700	N	N	N	20	100
0364	37 46 54	105 27 39	2.0	.50	10.00	>1.0	1,000	N	N	N	20	100
0366	37 46 53	105 27 48	5.0	.70	10.00	>1.0	1,000	N	N	N	20	100
0368	37 46 41	105 28 23	3.0	.50	10.00	>1.0	700	N	N	N	20	150
0370	37 46 27	105 29 24	2.0	.20	10.00	>1.0	700	N	N	N	20	150
0372	37 41 45	105 27 19	2.0	1.00	15.00	>1.0	1,000	N	N	N	20	100
0374	37 41 53	105 27 17	5.0	1.00	7.00	>1.0	700	N	N	N	20	200
0376	37 42 10	105 27 20	2.0	.50	7.00	>1.0	700	N	N	N	20	150
0378	37 42 18	105 27 49	3.0	1.00	7.00	>1.0	700	N	N	N	50	>5,000
0380	37 42 18	105 27 17	2.0	.20	5.00	>1.0	300	N	N	N	20	1,000
0382	37 40 24	105 29 26	2.0	1.00	10.00	>1.0	500	N	N	N	20	200
0384	37 39 55	105 30 12	2.0	1.00	10.00	>1.0	500	N	N	N	20	200
0386	37 39 43	105 30 8	2.0	1.00	10.00	>1.0	700	N	N	N	20	300
0388	37 39 24	105 30 56	3.0	1.00	10.00	>1.0	700	N	N	N	20	150
0390	37 39 25	105 30 57	3.0	.50	10.00	>1.0	500	N	N	N	20	150
0392	37 39 10	105 30 8	2.0	.50	15.00	>1.0	700	N	N	N	20	150
0394	37 38 56	105 31 7	2.0	.50	15.00	>1.0	700	N	N	N	20	200
0396	37 39 0	105 32 2	2.0	1.00	10.00	>1.0	700	N	N	N	20	200
0398	37 39 2	105 32 3	2.0	1.00	10.00	>1.0	700	N	N	N	20	150
0400	37 38 56	105 32 48	7.0	1.50	10.00	>1.0	1,000	N	N	N	20	200
0402	37 38 58	105 32 47	3.0	1.50	15.00	>1.0	1,000	N	N	N	20	200
0404	37 32 7	105 31 14	2.0	.30	5.00	>1.0	500	N	N	N	20	300
0406	37 32 3	105 31 7	2.0	.30	5.00	>1.0	700	N	N	N	20	300
0408	37 31 57	105 31 2	3.0	.70	10.00	>1.0	700	N	N	N	20	200
0412	37 31 2	105 32 3	2.0	.70	15.00	>1.0	700	N	N	N	20	150
0414	37 31 5	105 32 12	3.0	.50	7.00	>1.0	1,000	N	N	N	20	200
0416	37 31 33	105 32 27	5.0	1.50	7.00	>1.0	700	N	N	N	100	150
0418	37 33 42	105 30 40	5.0	2.00	15.00	>1.0	1,000	N	N	N	200	200
0420	37 33 37	105 31 19	5.0	1.50	7.00	>1.0	1,000	N	N	N	20	200
0422	37 33 40	105 29 7	5.0	1.00	20.00	>1.0	1,000	N	N	N	50	100
0424	37 34 30	105 27 50	2.0	.70	5.00	>1.0	700	N	N	N	50	200
0426	37 34 35	105 28 8	2.0	.70	10.00	>1.0	700	N	N	N	200	100
0428	37 33 57	105 27 21	2.0	.50	5.00	>1.0	500	N	N	N	100	200
0430	37 33 55	105 27 22	2.0	.70	10.00	>1.0	700	N	N	N	200	150
0432	37 35 38	105 26 7	2.0	.50	5.00	>1.0	500	N	N	N	30	500
0434	37 36 30	105 24 47	1.5	.20	3.00	>1.0	500	N	N	N	20	300
0436	37 36 34	105 24 46	2.0	.20	5.00	>1.0	500	N	N	N	20	300
0438	37 38 38	105 25 55	2.0	.70	15.00	>1.0	700	N	N	N	70	700
0440	37 38 37	105 25 54	1.0	.20	5.00	>1.0	300	N	N	N	50	300
0442	37 38 30	105 25 18	2.0	.50	7.00	>1.0	500	N	N	N	50	>5,000

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
0352	<2	N	N	<10	20	50	300	N	50	<10	70	N
0354	<2	N	N	<10	20	50	500	N	50	<10	20	N
0356	<2	N	N	<10	20	50	300	N	<50	<10	50	N
0358	<2	N	N	<10	50	50	1,000	<10	50	<10	50	N
0360	<2	N	N	<10	30	50	1,000	N	50	<10	50	N
0362	<2	N	N	<10	50	50	1,000	N	50	10	70	N
0364	<2	N	N	<10	30	50	1,000	N	50	<10	70	N
0366	<2	N	N	<10	50	50	1,000	N	70	<10	20	N
0368	<2	N	N	<10	30	50	1,000	N	70	<10	50	N
0370	<2	N	N	<10	20	50	1,000	N	50	<10	150	N
0372	N	N	N	N	20	50	1,000	N	<50	N	70	N
0374	<2	N	N	<10	50	50	300	N	50	10	50	N
0376	<2	N	N	<10	30	50	500	N	50	10	20	N
0378	<2	N	N	<10	100	50	500	N	70	10	50	N
0380	<2	N	N	<10	20	50	200	N	50	<10	50	N
0382	<2	N	N	<10	150	50	500	N	50	20	70	N
0384	<2	N	N	<10	150	50	500	N	100	20	100	N
0386	<2	N	N	<10	50	5	1,000	N	100	10	70	N
0388	<2	N	N	<10	50	50	1,000	N	100	10	70	N
0390	<2	N	N	<10	70	100	500	N	100	10	70	N
0392	<2	N	N	<10	30	100	700	N	50	10	70	N
0394	<2	N	N	<10	50	50	700	N	100	10	50	N
0396	<2	N	N	<10	100	50	500	N	100	10	70	N
0398	<2	N	N	10	150	70	1,000	N	100	15	70	N
0400	<2	N	N	10	100	50	500	N	100	20	70	N
0402	<2	N	N	<10	70	50	>1,000	N	50	15	100	N
0404	N	N	N	<10	<20	50	70	N	70	10	20	N
0406	N	N	N	<10	<20	50	70	N	50	10	20	N
0408	N	N	N	<10	50	50	70	N	50	10	20	N
0412	N	N	N	<10	50	100	300	N	70	10	20	N
0414	N	N	N	<10	20	50	150	N	70	10	20	N
0416	N	N	N	10	100	50	100	N	70	20	20	N
0418	N	N	N	20	200	100	70	N	50	50	20	N
0420	N	N	N	20	150	100	200	N	100	50	20	N
0422	N	N	N	15	50	150	200	N	50	10	20	N
0424	N	N	N	10	50	70	100	N	70	10	20	N
0426	N	N	N	15	100	50	200	N	70	10	50	N
0428	N	N	N	10	100	100	100	N	100	10	50	N
0430	N	N	N	10	100	150	200	N	70	10	50	N
0432	N	N	N	<10	50	100	100	N	70	10	50	N
0434	N	N	N	<10	<20	50	70	N	50	10	20	N
0436	N	N	N	<10	100	100	100	N	50	10	100	N
0438	N	N	N	<10	100	100	100	N	<50	10	50	N
0440	N	N	N	<10	100	100	100	N	50	10	70	N
0442	N	N	N	<10	50	70	100	N	<50	10	70	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0352	<10	70	200	150	N	500	N	>1,000	N
0354	10	70	<200	150	N	1,500	N	>1,000	N
0356	10	100	500	100	N	700	N	>1,000	N
0358	10	70	<200	150	N	1,500	N	>1,000	N
0360	10	100	<200	150	N	1,500	N	>1,000	N
0362	10	100	<200	150	N	1,500	N	>1,000	N
0364	10	100	<200	150	N	1,500	N	>1,000	N
0366	10	100	<200	150	N	1,500	N	>1,000	N
0368	10	100	<200	150	N	1,500	N	>1,000	N
0370	10	100	<200	150	N	1,500	N	>1,000	N
0372	10	<20	<200	300	N	1,500	N	>1,000	N
0374	20	50	<200	150	N	700	N	>1,000	N
0376	20	50	<200	150	N	1,000	N	>1,000	N
0378	20	50	200	150	300	1,000	N	>1,000	N
0380	10	N	200	100	N	500	N	>1,000	N
0382	10	50	500	150	100	700	N	>1,000	N
0384	10	50	500	150	<100	700	N	>1,000	N
0386	10	50	<200	200	N	1,000	N	>1,000	N
0388	10	50	<200	150	100	1,000	N	>1,000	N
0390	<10	50	200	150	<100	700	N	>1,000	N
0392	10	50	<200	150	N	700	N	>1,000	N
0394	<10	50	<200	150	N	700	N	>1,000	N
0396	<10	50	<200	150	N	500	N	>1,000	N
0398	<10	70	200	150	<100	1,000	N	>1,000	N
0400	10	30	1,000	150	N	500	N	>1,000	N
0402	10	50	200	150	N	1,500	N	>1,000	N
0404	N	N	500	70	N	200	N	>1,000	N
0406	N	N	500	70	N	200	N	>1,000	N
0408	N	N	700	100	N	200	N	>1,000	N
0412	N	N	700	100	N	500	N	>1,000	N
0414	N	N	700	100	N	300	N	>1,000	N
0416	N	N	700	100	200	200	N	>1,000	N
0418	<10	N	1,000	100	1,000	150	N	>1,000	N
0420	10	20	500	100	100	300	N	>1,000	N
0422	<10	N	700	150	700	500	N	>1,000	N
0424	<10	N	500	100	500	200	N	>1,000	N
0426	10	30	200	150	200	700	N	>1,000	N
0428	15	<20	200	150	100	500	N	>1,000	N
0430	15	30	200	150	<100	500	N	>1,000	N
0432	10	N	200	150	N	200	N	>1,000	N
0434	N	N	200	70	N	200	N	>1,000	N
0436	20	20	<200	150	N	500	N	>1,000	N
0438	20	N	700	200	<100	500	N	>1,000	N
0440	30	20	200	200	N	500	N	>1,000	N
0442	20	N	500	100	N	500	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
0444	37 38 31	105 25 20	1.5	.07	5.00	>1.0	200	N	N	N	30	>5,000
0446	38 25 25	106 1 22	1.0	.10	5.00	>1.0	500	N	N	N	20	1,000
0448	38 25 37	106 1 28	1.5	.30	7.00	>1.0	700	N	N	N	30	700
0450	38 25 18	106 2 8	1.0	.10	5.00	>1.0	500	N	N	N	20	150
0452	38 25 18	106 2 10	1.0	.10	5.00	>1.0	200	N	N	N	50	150
0454	38 25 58	106 2 0	1.0	.10	3.00	>1.0	200	N	N	N	20	150
0456	38 25 24	106 2 43	1.0	.20	5.00	>1.0	300	N	N	N	20	200
0458	38 25 18	106 2 50	1.5	.20	7.00	>1.0	300	N	N	N	20	200
0460	38 24 37	106 2 37	1.0	.15	5.00	>1.0	500	N	N	N	20	200
0462	38 21 10	105 55 28	1.0	.50	5.00	>1.0	1,000	N	N	N	20	500
0464	38 21 11	105 55 32	1.0	.20	7.00	>1.0	700	N	N	N	20	700
04	38 21 4	105 55 37	1.0	.20	5.00	>1.0	700	N	N	N	20	500
0466	38 20 55	105 55 57	1.0	.20	7.00	>1.0	500	N	N	N	20	300
0470	38 20 57	105 55 59	1.0	.15	15.00	>1.0	700	N	N	N	20	200
0472	38 7 28	105 42 32	1.0	.30	7.00	>1.0	500	N	N	N	30	500
0474	38 7 42	105 43 38	2.0	.50	7.00	>1.0	700	N	N	N	200	700
0476	38 7 41	105 43 37	1.5	.20	10.00	>1.0	700	N	N	N	50	150
0478	38 7 33	105 44 20	1.5	.30	5.00	>1.0	500	N	N	N	50	700
0480	38 7 12	105 45 0	5.0	.20	5.00	>1.0	500	N	N	N	50	300
0482	38 7 9	105 44 59	2.0	.30	7.00	>1.0	500	N	N	N	50	1,500
0484	38 7 4	105 44 59	2.0	.20	7.00	>1.0	700	N	N	N	50	200
0486	38 6 52	105 45 23	2.0	.20	10.00	>1.0	700	N	N	N	50	200
0488	38 6 23	105 45 35	2.0	.20	7.00	>1.0	500	N	N	N	20	300
0490	38 6 8	105 45 55	2.0	.20	10.00	>1.0	700	1S	N	N	30	500
0492	38 6 1	105 46 4	2.0	.20	10.00	>1.0	700	N	N	N	50	500
0494	38 13 56	105 38 33	2.0	.20	7.00	>1.0	500	N	N	N	30	500
0496	38 14 18	105 39 3	2.0	.20	5.00	>1.0	500	N	N	N	50	300
0498	38 14 43	105 39 43	2.0	.20	7.00	>1.0	300	N	N	N	20	>5,000
0500	38 14 56	105 40 24	2.0	.20	7.00	>1.0	500	N	N	N	30	200
0502	38 15 30	105 40 33	2.0	.20	7.00	>1.0	500	N	N	N	50	150
0504	38 15 40	105 40 40	2.0	.30	7.00	>1.0	500	N	N	N	30	1,500
0506	38 16 18	105 41 42	2.0	.20	7.00	>1.0	500	N	N	N	50	500
0508	38 17 4	105 42 24	2.0	.20	7.00	>1.0	500	S	N	N	50	300
0510	38 17 30	105 42 59	2.0	.20	5.00	>1.0	500	N	N	N	50	>5,000
0512	38 17 37	105 42 34	2.0	.30	5.00	>1.0	500	N	N	N	50	500
0514	38 0 40	105 37 20	2.0	.20	10.00	>1.0	500	N	N	N	20	2,000
0516	38 0 15	105 38 55	3.0	.20	7.00	>1.0	300	N	N	N	20	500
0518	38 4 38	105 44 0	2.0	.20	7.00	>1.0	500	N	N	N	30	1,000
0520	38 4 33	105 43 54	5.0	.20	3.00	1.0	500	N	N	N	20	700
0522	38 4 10	105 45 28	2.0	.15	10.00	>1.0	500	N	N	N	30	200
0524	38 3 50	105 44 2	2.0	.20	7.00	1.0	500	N	N	N	30	200
0526	38 3 47	105 44 2	2.0	1.00	15.00	>1.0	500	N	N	N	50	3,000
0528	38 3 28	105 45 4	2.0	.20	10.00	>1.0	500	N	N	N	20	300
0530	38 3 38	105 45 30	2.0	.20	10.00	>1.0	500	N	N	N	30	1,500
0532	38 6 22	105 47 11	2.0	.20	7.00	>1.0	500	N	N	N	100	1,500

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
0444	N	N	N	<10	30	50	100	N	<50	10	50	N
0446	N	N	N	<10	<20	50	100	N	<50	10	100	N
0448	N	N	N	<10	<20	50	100	N	50	10	50	N
0450	N	200	N	<10	N	50	70	N	50	<10	70	N
0452	N	N	N	<10	N	30	100	N	<50	10	50	N
0454	N	N	N	<10	N	100	150	N	<50	10	50	N
0456	N	N	N	<10	N	30	100	N	50	<10	50	N
0458	N	N	N	<10	<20	50	50	N	<50	10	50	N
0460	N	N	N	<10	N	30	150	N	50	<10	20	N
0462	N	N	N	<10	<20	50	150	70	<50	10	50	N
0464	N	N	N	<10	N	30	70	5	50	<10	20	N
0466	N	N	N	<10	N	30	100	<10	50	<10	70	N
0468	N	N	N	<10	N	50	100	50	50	<10	50	N
0470	N	N	N	<10	N	30	200	10	100	<10	50	N
0472	N	N	N	<10	N	30	100	N	<50	<10	30	N
0474	N	N	N	<10	<20	50	150	N	50	<10	50	N
0476	2	N	N	<10	20	20	150	N	<50	<10	70	N
0478	<2	N	N	<10	<20	50	50	N	50	<10	50	N
0480	<2	N	N	<10	<20	50	100	N	<50	10	50	N
0482	<2	N	N	<10	20	50	100	N	50	<10	50	N
0484	<2	N	N	<10	<20	50	150	<10	<50	<10	50	N
0486	<2	N	N	<10	<20	50	200	N	70	<10	50	N
0488	<2	N	N	<10	<20	20	100	N	<50	<10	50	N
0490	2	N	N	<10	<20	100	200	15	<50	10	3,000	N
0492	2	N	N	<10	20	70	200	N	<50	10	200	N
0494	2	N	N	<10	20	100	100	N	<50	<10	70	N
0496	2	N	N	<10	20	70	70	N	<50	<10	50	N
0498	2	N	N	<10	20	100	100	N	<50	10	50	N
0500	2	N	N	<10	20	70	150	N	<50	10	50	N
0502	3	N	N	<10	20	70	150	N	<50	<10	50	N
0504	2	N	N	<10	20	50	200	N	<50	<10	50	N
0506	2	N	N	<10	30	50	200	<10	50	<10	50	N
0508	2	N	N	<10	30	150	150	N	<50	<10	>20,000	N
0510	3	N	N	<10	20	200	150	N	<50	<10	500	N
0512	<2	N	N	<10	50	50	150	N	50	10	70	N
0514	<2	N	N	<10	<20	50	200	N	N	10	70	N
0516	<2	N	N	<10	<20	50	70	N	<50	20	70	N
0518	5	N	N	<10	<20	50	50	N	N	10	50	N
0520	7	N	N	<10	20	50	50	N	N	10	50	N
0522	2	N	N	<10	<20	50	150	N	<50	10	700	N
0524	<2	N	N	<10	<20	50	100	N	N	15	20	N
0526	<2	N	N	<10	100	100	200	N	<50	50	20	N
0528	<2	N	N	<10	<20	50	200	N	<50	10	20	N
0530	<2	N	N	<10	<20	30	200	N	<50	10	70	N
0532	5	N	N	<10	20	50	150	N	<50	10	30	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0444	50	N	2,000	100	N	700	N	>1,000	N
0446	10	N	<200	100	100	500	N	>1,000	N
0448	<10	50	<200	150	N	300	N	>1,000	N
0450	<10	50	<200	150	200	500	N	>1,000	N
0452	<10	N	<200	100	N	300	N	>1,000	N
0454	<10	N	<200	100	N	700	N	>1,000	N
0456	<10	20	<200	100	N	300	N	>1,000	N
0458	10	20	<200	150	100	700	N	>1,000	N
0460	N	N	<200	100	N	200	N	>1,000	N
0462	N	N	<200	50	1,000	200	N	>1,000	N
0464	N	N	<200	50	1,000	200	N	>1,000	N
0466	N	N	<200	70	<100	700	N	>1,000	<200
0468	N	N	<200	50	1,000	500	N	>1,000	N
0470	N	50	<200	100	300	700	N	>1,000	N
0472	N	N	<200	100	N	500	N	>1,000	N
0474	N	N	<200	100	N	500	N	>1,000	N
0476	10	20	<200	150	N	700	N	>1,000	N
0478	<10	N	200	100	N	150	N	>1,000	N
0480	<10	N	<200	100	N	500	N	>1,000	N
0482	<10	50	200	100	N	500	N	>1,000	N
0484	<10	N	<200	150	N	500	N	>1,000	N
0486	20	30	<200	100	N	700	N	>1,000	N
0488	20	N	<200	150	N	700	N	>1,000	N
0490	20	N	<200	150	100	700	N	>1,000	N
0492	20	20	<200	150	<100	700	N	>1,000	N
0494	20	20	<200	150	N	1,000	N	>1,000	N
0496	20	N	<200	100	N	700	N	>1,000	N
0498	20	N	<200	150	N	1,500	N	>1,000	N
0500	30	20	<200	200	N	1,500	N	>1,000	N
0502	20	30	<200	200	N	1,500	N	>1,000	N
0504	20	30	<200	200	N	1,000	N	>1,000	N
0506	20	50	<200	200	N	700	N	>1,000	N
0508	20	20	<200	200	N	1,000	N	>1,000	N
0510	20	N	<200	200	<100	1,500	N	>1,000	N
0512	20	20	<200	200	N	700	N	>1,000	N
0514	15	<20	<200	100	N	1,000	N	>1,000	N
0516	20	N	<200	100	N	1,000	N	>1,000	N
0518	10	N	<200	100	<100	1,000	N	>1,000	N
0520	10	N	<200	100	N	1,000	N	>1,000	N
0522	10	<20	200	100	N	700	N	>1,000	N
0524	<10	N	500	100	N	500	N	>1,000	N
0526	N	N	1,000	100	<100	200	N	>1,000	N
0528	20	N	300	100	N	700	N	>1,000	N
0530	15	20	200	100	N	700	N	>1,000	N
0532	10	N	<200	100	N	700	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
0534	38 6 19	105 47 10	1.5	.20	7.00	>1.0	500	N	N	N	70	2,000
0536	38 7 10	105 47 0	1.0	.20	2.00	1.0	500	N	N	N	30	5,000
0538	38 1 23	105 43 10	2.0	.30	7.00	>1.0	700	N	N	N	200	200
0540	38 1 49	105 44 37	2.0	.30	10.00	>1.0	700	N	N	N	100	200
0542	38 7 47	105 46 13	3.0	.30	7.00	>1.0	700	N	N	N	70	700
0544	38 7 52	105 46 11	5.0	.30	7.00	>1.0	700	N	N	N	100	300
0546	38 7 32	105 47 4	3.0	.30	7.00	>1.0	700	N	N	N	200	500
0548	38 1 43	105 44 29	5.0	.70	7.00	>1.0	1,000	N	N	N	700	200
0550	38 2 52	105 44 53	2.0	.50	15.00	>1.0	700	N	N	N	100	500
0552	38 8 45	105 47 38	3.0	.30	2.00	>1.0	300	N	N	N	100	>5,000
0554	38 14 34	105 48 13	5.0	.50	1.00	>1.0	700	N	N	N	100	500
0556	38 13 55	105 49 34	3.0	.30	1.00	>1.0	200	N	N	N	100	500
0558	38 12 55	105 47 23	2.0	.50	1.50	>1.0	200	N	N	N	50	200
0560	38 12 43	105 47 56	2.0	.50	1.50	>1.0	200	N	N	N	100	200
0562	38 12 17	105 48 43	2.0	.20	.50	>1.0	1,000	100	N	N	50	3,000
0564	38 11 47	105 47 23	1.5	.20	.50	>1.0	200	N	N	N	50	300
0566	38 11 46	105 47 18	1.5	.30	5.00	>1.0	200	N	N	N	50	500
0568	38 2 3	105 30 56	2.0	.30	7.00	>1.0	1,000	N	N	N	70	500
0570	38 19 38	105 46 27	5.0	.50	3.00	>1.0	150	N	N	N	100	>5,000
0572	38 21 48	105 50 6	5.0	.30	3.00	>1.0	300	N	N	N	100	>5,000
3002	38 6 26	105 38 24	2.0	.30	5.00	>1.0	500	N	N	N	30	2,000
3006	38 7 15	105 37 38	5.0	.30	10.00	>1.0	700	3	N	N	100	>5,000
3008	38 6 57	105 36 58	5.0	.30	7.00	>1.0	500	10	N	N	50	<5,000
3010	37 55 18	105 27 59	2.0	.20	10.00	>1.0	700	N	N	N	30	200
3012	37 55 15	105 27 56	5.0	.20	7.00	>1.0	700	N	N	N	30	200
3014	37 55 49	105 27 19	2.0	.20	7.00	>1.0	700	N	N	N	20	100
3016	37 57 45	105 29 16	1.5	.30	5.00	>1.0	500	N	N	N	500	700
3020	37 57 52	105 29 19	5.0	.20	7.00	>1.0	700	N	N	N	50	500
3022	38 5 14	105 40 37	7.0	.50	5.00	>1.0	1,000	N	N	N	50	300
3024	38 5 20	105 40 36	5.0	.30	5.00	>1.0	1,000	N	N	N	200	1,500
3026	38 6 9	105 40 42	7.0	.50	7.00	>1.0	1,000	N	N	N	200	150
3028	38 23 22	105 58 19	5.0	.50	5.00	>1.0	700	N	N	N	100	>5,000
3030	38 23 23	105 58 17	1.0	.20	1.00	.7	300	N	N	N	20	1,500
3032	38 23 26	105 59 10	3.0	.50	1.00	>1.0	1,000	N	N	N	20	1,000
3034	38 22 59	105 58 58	.5	.20	.50	>1.0	100	N	N	N	1,000	>5,000
3036	38 24 5	105 59 21	1.0	.30	2.00	>1.0	300	N	N	N	70	700
3038	38 24 25	105 59 14	1.0	.30	3.00	>1.0	300	N	N	N	500	100
3040	38 24 22	105 59 12	1.5	.30	10.00	>1.0	500	N	N	N	200	100
3042	38 24 19	105 59 26	1.0	.20	10.00	>1.0	300	N	N	N	20	100
3044	38 23 56	105 59 41	1.0	.20	>20.00	>1.0	700	N	N	N	20	50
3046	38 25 53	105 58 0	1.0	.20	>20.00	>1.0	700	N	N	N	100	50
3048	38 26 0	105 58 10	1.5	.50	10.00	>1.0	500	N	N	N	20	70
3050	38 25 47	105 57 40	1.0	.70	7.00	1.0	300	N	N	N	50	300
3052	38 25 44	105 57 31	1.0	.30	2.00	>1.0	300	N	N	N	20	200
3054	38 25 47	105 57 5	5.0	.50	5.00	>1.0	700	N	N	N	<20	>5,000

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
0534	2	N	N	<10	30	50	150	N	<50	10	50	N
0536	<2	N	N	<10	<20	50	100	N	<50	10	30	N
0538	<2	<20	N	<10	30	100	500	N	70	10	100	N
0540	<2	N	N	<10	30	100	300	N	100	10	50	N
0542	<2	N	N	<10	50	100	300	N	150	15	70	N
0544	<2	N	N	<10	30	100	300	N	70	10	50	N
0546	<2	N	N	<10	20	100	500	N	100	10	70	N
0548	<2	N	N	10	50	100	500	N	100	15	50	N
0550	<2	N	N	<10	50	100	300	N	50	20	50	N
0552	<2	N	N	15	150	100	200	N	70	20	100	N
0554	<2	N	N	10	70	100	100	N	100	20	70	N
0556	<2	N	N	<10	150	100	100	N	70	20	100	N
0558	<2	N	N	<10	70	100	70	N	70	10	20	N
0560	<2	N	N	<10	100	200	100	N	70	10	20	N
0562	<2	20	N	<10	100	200	200	N	100	10	5,000	<200
0564	<2	N	N	<10	30	50	70	N	70	10	70	N
0566	<2	N	N	<10	100	100	70	N	50	10	70	N
0568	<2	N	N	<10	20	100	300	N	200	10	70	N
0570	<2	N	N	10	200	200	150	N	100	20	50	N
0572	<2	N	N	<10	100	300	100	N	100	10	200	N
3002	<2	N	N	<10	20	100	50	N	<50	10	50	N
3006	<2	N	N	<10	20	70	150	N	N	15	50	N
3008	<2	N	N	<10	20	70	100	N	N	15	50	N
3010	<2	N	N	<10	30	70	200	N	100	<10	70	N
3012	<2	N	N	<10	50	50	200	N	50	10	50	N
3014	<2	N	N	<10	20	70	300	N	50	<10	50	N
3016	<2	N	N	<10	<20	100	200	N	500	<10	20	N
3020	<2	N	N	<10	50	70	300	N	50	<10	50	N
3022	<2	N	N	<10	20	70	100	N	50	10	50	N
3024	<2	N	N	<10	20	70	150	N	50	<10	50	N
3026	<2	N	N	<10	50	70	150	N	50	10	70	N
3028	<2	N	N	<10	50	70	150	N	50	10	50	N
3030	<2	N	N	<10	<20	20	20	N	<50	<10	<20	N
3032	<2	N	N	<10	30	20	300	N	200	<10	20	N
3034	<2	N	N	N	70	50	100	N	500	N	<20	N
3036	<2	N	N	<10	<20	50	150	N	200	<10	<20	N
3038	<2	N	N	<10	<20	50	150	N	500	<10	<20	N
3040	<2	N	N	<10	<20	50	1,000	N	200	<10	50	N
3042	<2	N	N	<10	<20	30	500	N	200	<10	30	N
3044	<2	N	N	<10	<20	150	>1,000	N	<50	<10	50	N
3046	<2	N	N	<10	<20	70	300	N	150	<10	20	N
3048	<2	N	N	<10	20	70	150	N	100	10	20	N
3050	<2	N	N	<10	20	30	100	N	<50	10	<20	N
3052	<2	N	N	<10	<20	20	100	N	100	<10	20	N
3054	<2	1,000	N	<10	<20	70	700	N	100	<10	300	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0534	10	N	<200	100	N	500	N	>1,000	N
0536	<10	N	<200	50	N	100	N	>1,000	N
0538	20	50	<200	150	N	1,000	N	>1,000	N
0540	10	50	<200	150	N	500	N	>1,000	N
0542	10	30	<200	200	N	500	N	>1,000	N
0544	20	20	<200	150	N	500	N	>1,000	N
0546	20	30	<200	200	N	500	N	>1,000	N
0548	20	50	<200	200	N	700	N	>1,000	N
0550	10	20	1,000	150	N	500	N	>1,000	N
0552	10	20	300	200	N	500	N	>1,000	N
0554	20	<20	<200	150	N	500	N	>1,000	N
0556	20	20	<200	150	<100	500	N	>1,000	N
0558	<10	<20	N	100	N	300	N	>1,000	N
0560	20	300	N	100	N	700	N	>1,000	N
0562	10	>1,000	<200	150	<100	200	500	>1,000	N
0564	10	70	N	70	N	200	N	>1,000	N
0566	20	30	<200	150	N	700	N	>1,000	N
0568	10	30	<200	150	N	700	N	>1,000	N
0570	50	30	200	200	N	1,000	N	>1,000	N
0572	30	500	<200	150	N	700	N	>1,000	N
3002	20	--	<200	100	N	700	N	>2,000	N
3006	30	--	1,000	100	N	2,000	N	>2,000	N
3008	30	--	1,000	100	N	2,000	N	>2,000	N
3010	20	50	N	150	N	700	N	>1,000	N
3012	20	20	<200	150	N	500	N	>1,000	N
3014	20	50	N	150	N	1,000	N	>1,000	N
3016	N	70	N	100	N	300	N	>1,000	N
3020	20	50	N	150	N	1,000	N	>1,000	<200
3022	<10	<20	200	150	N	200	N	>1,000	N
3024	<10	20	N	150	N	700	N	>1,000	N
3026	20	20	N	150	N	1,000	N	>1,000	N
3028	10	N	200	150	N	500	N	>1,000	N
3030	N	N	<200	30	N	100	N	>1,000	N
3032	N	30	N	100	N	100	N	>1,000	N
3034	N	200	N	100	<100	300	N	>1,000	<200
3036	N	50	<200	70	500	100	N	>1,000	N
3038	N	150	N	100	<100	200	N	>1,000	N
3040	N	70	<200	100	<100	700	N	>1,000	N
3042	N	30	<200	70	100	200	N	>1,000	N
3044	<10	N	300	150	N	700	N	>1,000	<200
3046	N	30	200	150	N	500	N	>1,000	N
3048	N	30	200	150	<100	300	N	>1,000	N
3050	N	N	500	70	N	50	N	>1,000	N
3052	N	N	N	70	N	150	N	>1,000	N
3054	N	30	300	100	N	200	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
3056	38 26 9	105 57 10	.5	.30	.20	>1.0	100	N	N	N	2,000	200
3058	38 26 10	105 57 18	1.0	.20	2.00	>1.0	200	N	N	N	2,000	>5,000
3060	38 26 37	105 57 40	2.0	.50	7.00	>1.0	500	N	N	N	50	5,000
3062	38 26 35	105 57 39	1.5	.50	7.00	>1.0	500	N	N	N	100	1,500
3064	38 27 10	105 57 54	1.0	.20	20.00	>1.0	500	N	N	N	50	1,000
3066	38 27 18	105 57 50	1.0	.20	15.00	>1.0	500	N	N	N	100	>5,000
3068	38 27 27	105 57 52	1.5	.20	10.00	>1.0	500	N	N	N	20	1,000
3070	38 27 41	105 57 30	1.5	.20	10.00	>1.0	500	N	N	N	1,000	3,000
3072	38 22 48	105 55 26	1.0	.20	2.00	>1.0	500	N	N	N	20	700
3074	38 22 45	105 55 22	3.0	.70	5.00	>1.0	2,000	N	N	N	20	1,000
3076	38 23 36	105 54 11	1.0	.30	5.00	>1.0	500	N	N	N	20	1,500
3078	38 23 34	105 54 10	1.0	.30	5.00	>1.0	500	N	N	N	20	500
3080	38 23 55	105 53 11	1.0	3.00	15.00	1.0	500	N	N	N	50	150
3082	38 24 20	105 52 50	10.0	1.50	5.00	>1.0	700	N	N	N	20	>5,000
3084	38 24 21	105 52 54	10.0	.20	7.00	>1.0	1,000	N	N	N	50	500
3086	38 21 50	105 53 54	5.0	1.00	10.00	>1.0	1,000	N	N	N	20	100
3088	38 23 35	105 51 22	1.5	.50	7.00	>1.0	1,000	N	N	N	50	2,000
3090	37 45 56	105 27 57	2.0	.20	7.00	>1.0	700	N	N	N	20	200
3092	37 45 53	105 27 57	3.0	.30	7.00	>1.0	1,000	N	N	N	20	100
3094	37 45 23	105 29 29	3.0	.20	7.00	>1.0	700	N	N	N	20	300
3096	37 45 0	105 29 26	1.5	.20	7.00	>1.0	700	N	N	N	20	200
3098	37 45 2	105 29 23	5.0	.50	7.00	>1.0	1,000	N	N	N	20	150
3100	37 44 35	105 29 30	2.0	.50	5.00	>1.0	500	N	N	N	20	700
3102	37 44 34	105 29 53	2.0	.20	5.00	>1.0	500	N	N	N	20	150
3104	37 42 36	105 29 17	7.0	.50	5.00	>1.0	1,000	N	N	N	20	300
3106	37 42 39	105 29 15	2.0	.50	7.00	>1.0	1,000	N	N	N	20	300
3108	37 42 56	105 29 48	7.0	.30	7.00	>1.0	1,000	N	N	N	20	200
3110	37 43 1	105 29 59	5.0	.10	5.00	>1.0	300	N	N	N	20	5,000
3112	37 43 8	105 30 10	1.0	.10	3.00	1.0	150	N	N	N	20	700
3114	37 45 26	105 26 10	1.5	.05	2.00	.5	150	N	N	N	20	500
3116	37 45 21	105 25 50	2.0	.15	5.00	>1.0	200	10	N	N	20	700
3118	37 45 40	105 25 39	1.5	.05	10.00	>1.0	300	N	N	N	20	150
3120	37 45 38	105 25 40	1.5	.05	7.00	>1.0	300	N	N	N	20	300
3122	37 46 4	105 25 30	3.0	.10	15.00	>1.0	500	N	N	N	20	150
3124	37 46 18	105 25 34	2.0	.15	7.00	1.0	200	N	N	N	20	700
3126	37 46 20	105 25 33	2.0	.15	7.00	>1.0	200	N	N	N	20	700
3128	37 46 55	105 25 27	3.0	.05	7.00	>1.0	300	N	N	N	30	200
3130	37 47 1	105 25 21	1.0	.05	2.00	>1.0	200	N	N	N	30	300
3132	37 47 20	105 25 9	1.0	.05	5.00	>1.0	200	N	N	N	30	300
3134	37 41 37	105 30 26	2.0	.20	10.00	>1.0	500	N	N	N	20	300
3136	37 41 40	105 31 32	1.0	.20	15.00	>1.0	200	N	N	N	200	700
3138	37 42 6	105 31 15	1.5	.20	7.00	>1.0	200	N	N	N	20	500
3140	37 42 20	105 31 7	1.0	.15	5.00	1.0	200	N	N	N	20	500
3142	37 42 37	105 30 58	1.0	.15	7.00	>1.0	200	N	N	N	20	700
3144	37 42 51	105 30 49	1.5	.20	10.00	>1.0	500	N	N	N	20	500

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
3056	<2	N	N	<10	30	70	100	N	500	<10	20	N
3058	<2	N	N	<10	20	50	150	N	700	<10	20	N
3060	<2	N	N	<10	<20	100	300	N	200	10	10,000	N
3062	<2	N	N	<10	<20	100	300	N	200	<10	3,000	N
3064	<2	N	N	<10	<20	50	150	N	<50	<10	30	N
3066	<2	N	N	<10	<20	70	150	N	50	<10	200	N
3068	<2	N	N	<10	<20	100	150	N	70	<10	200	N
3070	<2	N	N	<10	<20	100	300	N	150	<10	20	N
3072	2	N	N	<10	<20	50	100	N	70	<10	50	N
3074	<2	N	N	15	20	70	150	<10	300	15	20	N
3076	<2	N	N	<10	20	70	150	N	200	<10	20	N
3078	100	1,000	N	<10	<20	70	150	N	100	<10	20	N
3080	<2	<20	N	<10	<20	20	200	N	<50	10	50	N
3082	<2	N	N	70	70	1,000	150	N	100	100	200	N
3084	<2	N	N	50	70	200	150	N	200	70	20	N
3086	<2	N	N	<10	20	200	150	100	50	15	200	N
3088	<2	N	N	<10	20	200	150	N	100	<10	20	N
3090	5	N	N	<10	<20	100	300	N	<50	10	20	N
3092	2	N	N	<10	20	50	500	N	<50	<10	50	N
3094	<2	N	N	<10	20	50	500	N	50	<10	20	N
3096	<2	N	N	<10	<20	100	500	N	50	<10	150	N
3098	<2	N	N	<10	20	100	700	N	50	10	50	N
3100	<2	N	N	10	20	100	200	N	100	10	20	N
3102	<2	N	N	<10	20	50	200	N	50	10	20	N
3104	<2	N	N	20	20	100	300	N	50	20	20	N
3106	<2	N	N	<10	<20	100	200	N	70	10	20	N
3108	<2	N	N	10	30	100	200	N	<50	10	20	N
3110	2	N	N	<10	10	30	100	N	<50	20	20	N
3112	<2	N	N	<10	<20	20	50	N	N	10	150	N
3114	5	N	N	<10	<20	10	50	N	<50	10	50	N
3116	3	N	N	<10	<20	20	100	N	N	10	70	N
3118	2	N	N	<10	<20	10	100	N	N	10	70	N
3120	2	N	N	<10	<20	100	100	N	N	10	50	N
3122	3	N	N	<10	<20	20	150	N	N	10	70	N
3124	2	N	N	<10	20	20	50	N	N	10	50	N
3126	2	N	N	<10	20	50	100	N	<50	10	50	N
3128	<2	N	N	<10	<20	10	100	N	<50	15	70	N
3130	2	N	N	<10	<20	10	70	N	N	10	50	N
3132	3	N	N	<10	<20	10	100	N	N	10	50	N
3134	<2	N	N	<10	<20	20	150	N	50	10	50	N
3136	<2	N	N	<10	<20	30	150	N	<50	10	20	N
3138	<2	N	N	<10	<20	20	150	N	N	10	20	N
3140	<2	N	N	<10	<20	10	100	N	<50	10	20	N
3142	<2	N	N	<10	<20	20	100	N	<50	10	20	N
3144	<2	N	N	N	<20	20	200	N	<50	10	20	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
3056	20	200	N	100	N	500	N	>1,000	N
3058	20	150	<200	150	100	500	N	>1,000	N
3060	N	150	200	150	100	300	N	>1,000	N
3062	N	30	<200	150	100	300	N	>1,000	N
3064	N	N	300	150	N	500	N	>1,000	N
3066	N	N	300	150	N	500	N	>1,000	N
3068	N	20	<200	150	N	500	N	>1,000	N
3070	N	50	<200	150	N	500	N	>1,000	N
3072	N	N	<200	50	<100	100	N	>1,000	N
3074	<10	N	<200	150	500	300	N	>1,000	N
3076	N	300	<200	150	<100	200	1,000	>1,000	N
3078	N	N	<200	150	500	150	N	>1,000	N
3080	<10	N	N	50	N	100	N	>1,000	N
3082	20	20	300	150	<100	500	500	>1,000	N
3084	<10	50	<200	150	<100	700	N	>1,000	N
3086	<10	<20	<200	200	1,500	500	500	>1,000	N
3088	<10	N	<200	100	<100	500	N	>1,000	N
3090	20	20	<200	100	N	1,000	N	>1,000	N
3092	20	50	<200	150	N	1,500	N	>1,000	N
3094	10	300	<200	100	N	1,000	N	>1,000	N
3096	10	50	<200	150	N	1,000	N	>1,000	N
3098	20	70	<200	150	N	1,000	N	>1,000	N
3100	<10	20	300	150	200	500	N	>1,000	N
3102	<10	30	<200	100	N	1,000	N	>1,000	N
3104	30	50	<200	200	N	1,000	N	>1,000	500
3106	10	20	<200	150	N	700	N	>1,000	N
3108	10	20	<200	200	N	700	N	>1,000	N
3110	50	N	200	100	<100	1,000	N	>1,000	N
3112	<10	N	200	50	N	200	N	>1,000	N
3114	10	N	<200	50	N	500	N	>1,000	N
3116	<10	N	200	100	N	500	N	>1,000	N
3118	<10	50	200	100	N	500	N	>1,000	N
3120	<10	N	200	70	N	500	N	>1,000	N
3122	30	N	<200	150	N	1,000	N	>1,000	N
3124	<10	N	300	100	N	200	N	>1,000	N
3126	20	100	200	100	N	500	N	>1,000	N
3128	50	100	<200	100	N	700	N	>1,000	N
3130	<10	30	<200	100	N	500	N	>1,000	N
3132	N	N	<200	100	N	700	N	>1,000	N
3134	N	20	<200	150	N	700	N	>1,000	N
3136	N	500	200	100	200	300	N	>1,000	N
3138	N	N	200	100	N	500	N	>1,000	N
3140	N	50	200	100	N	300	N	>1,000	N
3142	N	N	200	100	N	300	N	>1,000	N
3144	10	20	500	100	N	700	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
3146	37 36 31	105 30 28	3.0	.20	3.00	>1.0	200	N	N	N	100	200
3148	37 36 0	105 33 25	1.5	.20	5.00	>1.0	200	N	N	N	70	200
3150	37 35 28	105 33 25	1.5	.30	2.00	1.0	150	N	N	N	30	300
3152	37 34 45	105 31 18	1.0	.30	1.00	.5	150	N	N	N	30	3,000
3154	37 34 54	105 33 20	2.0	.30	5.00	>1.0	200	N	N	N	30	700
3156	37 34 57	105 33 18	2.0	.30	5.00	>1.0	500	N	N	N	30	200
3164	37 33 28	105 33 17	1.0	.20	2.00	.5	200	N	N	N	30	700
3166	37 33 25	105 33 14	1.0	.20	2.00	.7	200	N	N	N	30	300
3168	37 33 38	105 33 31	.7	.20	2.00	.7	150	N	N	N	30	300
3172	37 32 55	105 33 20	1.5	.20	3.00	.7	200	N	N	N	20	300
3180	38 22 0	105 58 50	1.0	.30	10.00	>1.0	700	N	N	N	20	700
3182	38 21 31	105 56 1	.7	.10	3.00	.5	150	N	N	N	20	500
3184	38 21 30	105 56 0	.7	.20	3.00	.7	200	N	N	N	30	700
3186	38 21 4	105 56 22	.5	.20	2.00	.5	150	N	N	N	20	500
3192	38 0 2	105 34 23	5.0	.50	2.00	1.0	500	N	N	N	30	1,000
3194	38 0 30	105 33 57	2.0	.20	3.00	>1.0	200	N	N	N	20	>5,000
3196	38 0 46	105 33 30	5.0	.50	5.00	>1.0	700	N	N	N	100	>5,000
3198	38 0 43	105 33 30	2.0	.20	5.00	>1.0	500	N	N	N	50	1,000
3202	38 1 20	105 30 55	2.0	.20	5.00	>1.0	500	N	N	N	30	500
3204	38 21 3	105 52 33	2.0	.50	5.00	>1.0	2,000	N	N	N	200	1,000
3206	38 22 22	105 54 28	1.5	.20	7.00	>1.0	300	N	N	N	20	200
3208	38 23 1	105 53 58	2.0	.20	3.00	>1.0	1,000	N	N	N	20	>5,000
3210	38 23 32	105 53 47	2.0	.20	10.00	>1.0	700	N	N	N	20	700
3212	37 56 43	105 34 32	2.0	.30	10.00	>1.0	700	N	N	N	200	200
3214	37 56 45	105 34 30	2.0	.50	7.00	>1.0	700	N	N	N	100	300
3216	37 56 58	105 35 10	2.0	.50	7.00	>1.0	1,000	N	N	N	100	200
3217	37 57 0	105 35 32	1.5	.20	5.00	<1.0	1,000	N	N	N	50	200
3220	37 56 52	105 35 48	5.0	.50	7.00	>1.0	1,000	N	N	N	200	150
3222	37 56 47	105 36 22	2.0	.20	7.00	>1.0	1,000	N	N	N	20	200
3224	37 56 35	105 36 57	2.0	.50	7.00	>1.0	700	N	N	N	200	200
3226	37 54 40	105 35 52	1.5	.15	10.00	>1.0	1,000	N	N	N	20	200
3228	37 54 6	105 36 27	1.5	.15	7.00	>1.0	700	N	N	N	20	200
3230	37 53 41	105 37 23	2.0	.20	15.00	>1.0	1,000	N	N	N	20	200
3232	37 51 46	105 35 49	2.0	.20	7.00	>1.0	700	N	N	N	20	200
3234	37 51 54	105 35 52	1.5	.20	10.00	>1.0	500	N	N	N	20	150
3236	37 51 36	105 35 20	3.0	.70	10.00	>1.0	1,000	N	N	N	20	150
3238	37 51 17	105 34 57	1.5	.50	7.00	>1.0	700	N	N	N	20	1,000
3240	37 51 19	105 33 41	2.0	.50	10.00	>1.0	700	N	N	N	20	500
3242	37 51 4	105 34 22	2.0	.20	10.00	>1.0	700	N	N	N	20	100
3244	38 5 22	105 35 15	5.0	.20	3.00	>1.0	300	N	N	N	100	3,000
3246	38 5 17	105 34 46	2.0	.30	5.00	>1.0	300	N	N	N	30	5,000
3248	38 4 57	105 34 15	2.0	.10	3.00	>1.0	300	N	N	N	20	500
3252	38 4 14	105 33 31	3.0	.50	7.00	>1.0	500	N	N	N	150	500
3254	38 3 55	105 33 20	5.0	.20	7.00	>1.0	500	N	N	N	70	1,000
3262	38 3 6	105 32 28	1.5	.20	5.00	>1.0	1,000	N	N	N	30	200

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
3146	20	N	N	N	100	50	100	N	50	20	<20	N
3148	2	N	N	N	30	20	100	N	<50	10	<20	N
3150	<2	N	N	N	<20	15	50	N	<50	<10	<20	N
3152	<2	N	N	N	<20	15	50	N	<50	<10	<20	N
3154	<2	N	N	N	20	50	50	N	<50	10	<20	N
3156	<2	N	N	N	<20	20	50	N	<50	<10	<20	N
3164	<2	N	N	N	N	10	50	N	<50	<10	20	N
3166	<2	N	N	N	N	50	100	10	<50	<10	700	N
3168	<2	N	N	N	N	10	50	N	<50	<10	20	N
3172	<2	N	N	N	N	30	70	N	<50	10	1,500	N
3180	<2	20	N	N	30	50	100	<10	50	10	2,000	N
3182	<2	<20	N	N	N	10	70	N	<50	<10	1,000	N
3184	<2	200	N	N	N	10	70	N	<50	<10	150	N
3186	<2	20	N	N	N	10	50	20	<50	<10	50	N
3192	<2	N	N	N	20	20	70	N	<50	<10	70	N
3194	<2	<20	N	N	N	20	50	N	<50	<10	200	N
3196	<2	<20	N	N	<20	50	150	N	<50	10	50	N
3198	<2	N	N	N	N	20	100	N	<50	<10	50	N
3202	<2	N	N	N	N	50	100	N	<50	<10	50	N
3204	<2	N	N	<10	20	50	100	N	<50	10	50	N
3206	<2	N	N	<10	50	100	100	20	100	<10	20	N
3208	<2	N	N	<10	<20	70	200	N	70	<10	70	N
3210	<2	N	N	<10	<20	100	150	20	50	<10	50	N
3212	<2	N	N	<10	50	100	150	50	50	10	50	N
3214	<2	N	N	<10	50	100	200	20	50	10	70	N
3216	<2	N	N	<10	50	100	200	15	70	10	50	N
3217	N	N	N	<10	<20	50	150	N	50	<10	50	N
3220	<2	N	N	<10	50	100	500	15	100	10	70	N
3222	<2	N	N	<10	20	70	500	30	70	10	70	N
3224	<2	N	N	<10	50	200	300	20	70	10	70	N
3226	<2	N	N	<10	<20	100	300	20	70	<10	70	N
3228	<2	N	N	15	50	100	500	20	100	<10	50	N
3230	<2	N	N	<10	50	100	500	20	100	<10	70	N
3232	<2	N	N	<10	<20	100	300	N	<50	10	20	N
3234	<2	N	N	<10	<20	70	500	<10	50	<10	20	N
3236	<2	N	N	<10	50	70	1,000	<10	<50	10	20	N
3238	<2	N	N	<10	<20	50	200	N	50	<10	20	N
3240	<2	N	N	<10	20	150	500	10	<50	<10	700	N
3242	<2	N	N	<10	20	70	500	20	50	<10	70	N
3244	<2	N	N	<10	20	1,500	500	N	<50	10	700	N
3246	<2	20	N	<10	20	200	100	N	<50	10	15,000	N
3248	<2	N	N	<10	20	70	100	N	<50	<10	500	N
3252	N	N	N	<10	30	70	200	N	50	10	200	N
3254	N	N	N	<10	30	70	200	N	<50	10	100	N
3262	N	N	N	<10	N	50	200	<10	100	<10	50	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
3146	N	N	200	100	N	150	N	>1,000	N
3148	N	N	200	100	N	150	N	>1,000	N
3150	N	N	200	100	N	100	N	>1,000	N
3152	N	N	300	30	N	<20	N	>1,000	N
3154	N	N	300	150	N	150	N	>1,000	N
3156	N	N	200	100	N	200	N	>1,000	N
3164	N	N	500	50	200	30	N	>1,000	N
3166	10	200	200	70	2,000	20	N	>1,000	N
3168	N	N	200	30	1,000	30	N	>1,000	N
3172	N	N	200	50	700	100	N	>1,000	2,000
3180	N	>1,000	<200	70	<100	700	N	>1,000	N
3182	N	150	N	20	200	200	N	>1,000	N
3184	N	150	<200	30	100	150	N	>1,000	N
3186	N	20	N	20	200	100	N	>1,000	N
3192	N	N	<200	100	N	150	N	>1,000	N
3194	N	N	<200	100	N	500	N	>1,000	N
3196	<10	N	<200	100	N	700	N	>1,000	N
3198	<10	20	<200	100	N	700	N	>1,000	N
3202	N	20	<200	100	N	700	N	>1,000	N
3204	N	N	200	100	N	300	N	>1,000	N
3206	N	30	200	150	200	200	N	>1,000	N
3208	N	30	200	50	N	300	N	>1,000	N
3210	N	50	<200	150	300	1,000	N	>1,000	N
3212	N	<20	<200	150	200	700	N	>1,000	N
3214	<10	30	<200	200	100	700	N	>1,000	N
3216	10	30	<200	150	<100	1,000	N	>1,000	N
3217	<10	N	<200	150	N	500	N	>1,000	N
3220	15	30	<200	200	<100	1,000	N	>1,000	300
3222	10	200	<200	150	100	1,000	N	>1,000	N
3224	10	30	<200	150	100	1,000	N	>1,000	300
3226	<10	70	<200	100	<100	1,500	N	>1,000	N
3228	<10	50	<200	150	N	1,000	N	>1,000	N
3230	10	70	<200	150	N	1,500	N	>1,000	N
3232	<10	50	<200	100	N	700	N	>1,000	N
3234	10	50	<200	100	N	1,000	N	>1,000	N
3236	30	70	<200	150	N	1,500	N	>1,000	N
3238	<10	<20	1,000	70	N	500	N	>1,000	N
3240	10	50	300	200	<100	1,000	N	>1,000	N
3242	10	50	<200	200	<100	1,500	N	>1,000	N
3244	30	20	<200	200	N	2,000	N	>1,000	<200
3246	20	300	300	150	N	1,500	N	>1,000	N
3248	10	20	<200	100	N	1,000	N	>1,000	N
3252	20	30	<200	150	N	1,000	N	>1,000	N
3254	30	20	<200	150	N	1,500	N	>1,000	N
3262	N	20	<200	150	N	300	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
3264	37 54 52	105 26 54	2.0	.20	10.00	<1.0	2,000	N	N	N	50	200
3266	37 54 48	105 26 27	2.0	.15	7.00	<1.0	2,000	N	N	N	30	500
3268	37 54 56	105 25 56	2.0	.20	10.00	<1.0	3,000	N	N	N	30	500
3270	37 53 18	105 24 1	2.0	.20	7.00	<1.0	2,000	N	N	N	50	200
3272	37 54 13	105 25 22	2.0	.20	10.00	<1.0	3,000	N	N	N	50	500
3274	37 58 32	105 28 48	3.0	.20	7.00	<1.0	1,500	N	N	N	50	200
3276	37 58 34	105 28 50	1.5	.20	3.00	<1.0	500	N	N	N	50	500
4004	37 55 11	105 33 29	1.0	.15	>20.00	.2	700	N	N	N	20	200
4010	37 55 38	105 34 6	2.0	.15	20.00	>1.0	700	N	N	N	30	500
4012	37 55 33	105 34 6	1.0	.20	20.00	>1.0	500	N	N	N	30	700
4014	37 55 13	105 34 39	2.0	.20	20.00	>1.0	500	N	N	N	30	700
4016	37 55 8	105 34 57	1.5	.20	20.00	>1.0	700	N	N	N	20	500
4018	38 1 10	105 36 33	2.0	.30	10.00	>1.0	700	N	N	N	30	1,500
4018	37 54 57	105 35 12	1.5	.20	>20.00	>1.0	1,000	N	N	N	20	200
4020	38 1 49	105 37 55	2.0	.20	7.00	>1.0	700	N	N	N	30	200
4022	38 1 42	105 38 10	7.0	.30	7.00	>1.0	700	N	N	N	70	200
4024	38 1 54	105 38 30	2.0	.20	7.00	>1.0	500	N	N	N	20	200
4026	38 2 0	105 38 35	5.0	.20	7.00	>1.0	700	N	N	N	20	200
4028	38 2 2	105 38 40	5.0	.30	10.00	>1.0	700	N	N	N	100	700
4030	38 2 25	105 39 10	2.0	.50	5.00	>1.0	500	N	N	N	50	500
4032	38 2 2	105 39 35	3.0	.30	10.00	>1.0	700	N	N	N	70	700
4034	38 2 5	105 39 33	2.0	.30	5.00	>1.0	300	N	N	N	30	500
4036	38 2 40	105 40 7	5.0	.30	10.00	>1.0	700	N	N	N	50	700
4038	38 1 24	105 40 34	5.0	.50	10.00	>1.0	1,000	N	N	N	100	200
4040	38 11 18	105 41 14	5.0	.70	10.00	>1.0	700	N	N	N	50	5,000
4042	38 11 45	105 42 32	5.0	.30	10.00	>1.0	500	N	N	N	200	150
4044	38 12 30	105 41 7	2.0	.30	10.00	>1.0	700	N	N	N	100	700
4046	38 12 43	105 42 55	5.0	2.00	10.00	>1.0	1,000	N	N	N	100	700
4048	38 13 49	105 42 27	2.0	.30	7.00	>1.0	500	N	N	N	30	200
4050	38 14 24	105 42 0	2.0	.30	10.00	>1.0	700	N	N	N	20	150
4052	38 13 37	105 47 24	3.0	2.00	3.00	>1.0	500	N	N	N	200	200
4054	38 13 41	105 47 22	2.0	1.00	7.00	>1.0	700	N	N	N	1,000	150
4056	38 13 43	105 47 25	5.0	.70	5.00	>1.0	500	N	N	N	300	100
4058	37 55 36	105 28 30	2.0	.20	7.00	>1.0	700	N	N	N	20	150
4060	37 54 15	105 26 58	2.0	.30	10.00	>1.0	1,000	N	N	N	30	200
4062	37 53 30	105 27 30	2.0	.50	5.00	>1.0	700	N	N	N	50	200
4064	37 53 28	105 27 30	2.0	.50	10.00	>1.0	700	N	N	N	70	200
4066	37 53 44	105 26 22	1.0	.20	10.00	>1.0	500	N	N	N	50	150
4068	37 53 3	105 26 28	2.0	.50	15.00	>1.0	700	N	N	N	50	700
4070	37 53 3	105 26 27	7.0	.50	5.00	>1.0	700	N	N	N	50	>5,000
4072	37 53 0	105 26 25	2.0	.30	10.00	>1.0	700	N	N	N	50	700
4074	37 59 34	105 36 12	5.0	.30	7.00	>1.0	700	N	N	N	200	100
4076	37 59 38	105 36 45	5.0	.50	7.00	>1.0	700	N	N	N	20	500
4078	37 59 30	105 37 16	3.0	.30	10.00	>1.0	700	N	N	N	50	200
4080	37 59 23	105 38 47	5.0	.20	10.00	>1.0	700	N	N	N	50	200

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
3264	N	N	N	<10	20	50	500	<10	<50	<10	100	N
3266	N	N	N	<10	<20	50	300	<10	<50	<10	50	N
3268	N	N	N	<10	20	100	300	10	50	<10	70	N
3270	N	N	N	<10	<20	70	300	<10	50	<10	70	N
3272	N	N	N	<10	20	50	300	<10	70	<10	70	N
3274	N	N	N	<10	20	50	200	N	70	10	70	N
3276	N	N	N	<10	<20	50	50	N	50	<10	50	N
4004	<2	N	N	<10	<20	30	150	N	N	10	50	N
4010	<2	N	N	<10	<20	50	200	N	<50	10	70	N
4012	<2	N	N	<10	<20	30	200	50	<50	10	50	N
4014	<2	N	N	<10	<20	50	200	N	<50	10	70	N
4016	<2	N	N	<10	<20	100	200	N	50	10	50	N
4018	<2	N	N	N	20	200	500	10	50	<10	70	N
4018	<2	N	N	<10	<20	100	200	N	<50	10	70	N
4020	<2	N	N	N	<20	50	500	<10	<50	<10	50	N
4022	<2	N	N	N	30	150	500	N	70	10	50	N
4024	<2	N	N	N	<20	50	300	<10	50	<10	20	N
4026	<2	N	N	N	<20	50	500	<10	<50	<10	50	N
4028	<2	N	N	N	20	100	500	<10	50	<10	5,000	N
4030	<2	N	N	N	<20	50	150	N	50	<10	70	N
4032	<2	N	N	N	<20	100	500	<10	50	<10	70	N
4034	<2	N	N	N	<20	70	150	N	70	<10	50	N
4036	<2	N	N	N	20	100	500	N	<50	<10	70	N
4038	<2	N	N	N	20	100	500	N	<50	<10	100	N
4040	<2	N	N	N	20	100	200	N	50	<10	70	N
4042	2	N	N	N	30	100	150	N	<50	<10	70	N
4044	2	N	N	N	20	100	150	N	50	<10	50	N
4046	2	N	N	10	100	150	200	N	70	20	50	N
4048	2	N	N	<10	20	100	150	N	<50	10	50	N
4050	2	N	N	<10	50	100	150	N	<50	<10	70	N
4052	<2	N	N	20	300	100	150	N	100	20	1,500	N
4054	<2	N	N	10	100	100	1,000	20	100	<10	20	N
4056	<2	<20	N	10	100	150	700	10	70	20	20	N
4058	<2	N	N	<10	20	70	300	10	70	<10	70	N
4060	<2	N	N	<10	20	200	500	10	100	<10	70	N
4062	<2	N	N	<10	<20	200	150	10	50	<10	50	N
4064	<2	N	N	<10	20	100	300	10	100	10	70	N
4066	<2	N	N	<10	<20	70	300	<10	100	10	20	N
4068	<2	N	N	<10	<20	100	300	<10	50	10	70	N
4070	<2	N	100	<10	50	100	100	N	<50	20	70	N
4072	<2	N	N	<10	<20	70	200	<10	50	10	50	N
4074	<2	N	N	<10	30	100	300	<10	50	10	70	N
4076	<2	N	N	<10	20	70	300	50	50	10	50	N
4078	<2	N	N	<10	20	100	300	10	<50	10	70	N
4080	<2	N	N	<10	<20	100	500	<10	50	10	50	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
3264	50	70	<200	200	N	1,000	N	>1,000	N
3266	30	50	<200	200	N	1,000	N	>1,000	N
3268	30	50	<200	200	N	1,000	N	>1,000	N
3270	20	50	<200	150	N	1,000	N	>1,000	N
3272	20	50	<200	200	N	1,000	N	>1,000	N
3274	10	30	<200	200	N	700	N	>1,000	N
3276	<10	N	200	100	N	200	N	>1,000	N
4004	N	--	500	20	N	700	N	>2,000	N
4010	10	--	300	100	N	700	N	>2,000	N
4012	10	--	500	100	200	500	N	>2,000	N
4014	20	--	300	100	200	700	N	>2,000	N
4016	10	--	300	100	200	700	N	>2,000	N
4018	30	70	N	100	N	1,000	N	>1,000	N
4018	20	--	200	100	200	1,000	N	>2,000	N
4020	20	20	N	100	N	1,000	N	>1,000	N
4022	20	50	<200	150	N	700	N	>1,000	500
4024	10	20	N	100	N	700	N	>1,000	N
4026	20	50	N	100	N	1,000	N	>1,000	N
4028	20	50	<200	150	N	700	N	>1,000	N
4030	<10	N	<200	100	N	500	N	>1,000	N
4032	20	50	<200	150	N	1,000	N	>1,000	N
4034	N	N	N	100	N	200	N	>1,000	N
4036	30	50	<200	150	N	1,000	N	>1,000	N
4038	30	50	N	150	N	1,000	N	>1,000	<200
4040	20	30	<200	150	N	1,000	N	>1,000	N
4042	20	20	N	150	N	1,500	N	>1,000	N
4044	20	30	N	150	N	1,000	N	>1,000	N
4046	20	30	<200	150	200	700	N	>1,000	N
4048	10	30	N	150	N	700	N	>1,000	N
4050	30	50	<200	150	N	1,000	N	>1,000	N
4052	30	70	<200	200	N	500	N	>1,000	N
4054	20	100	<200	200	1,000	1,000	N	>1,000	N
4056	20	30	N	200	100	700	N	>1,000	N
4058	30	50	N	200	N	1,000	N	>1,000	200
4060	30	50	<200	200	N	1,500	N	>1,000	N
4062	20	N	<200	150	200	500	N	>1,000	N
4064	<10	50	<200	150	N	700	N	>1,000	N
4066	<10	30	<200	150	N	700	N	>1,000	N
4068	20	50	<200	150	N	1,000	N	>1,000	N
4070	20	N	<200	150	N	700	5,000	>1,000	N
4072	20	30	<200	150	N	1,000	N	>1,000	N
4074	20	30	<200	150	<100	1,000	N	>1,000	N
4076	10	20	<200	100	200	700	N	>1,000	300
4078	20	30	<200	100	<100	1,000	N	>1,000	N
4080	20	50	<200	150	<100	1,000	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
4082	37 59 27	105 39 10	5.0	.20	7.00	>1.0	700	N	N	N	100	200
4084	37 59 28	105 39 12	7.0	.30	10.00	>1.0	700	N	N	N	50	150
4086	37 59 46	105 39 9	2.0	.30	15.00	>1.0	700	N	N	N	70	150
4088	37 59 45	105 39 5	2.0	.20	10.00	>1.0	700	N	N	N	70	150
4090	37 59 21	105 39 56	1.5	.20	15.00	>1.0	1,000	N	N	N	50	150
4092	37 59 30	105 40 11	1.5	.30	15.00	>1.0	1,000	N	N	N	100	100
4094	38 17 14	105 52 45	5.0	.70	7.00	>1.0	1,000	N	N	N	50	500
4096	38 17 10	105 53 7	1.0	.10	7.00	>1.0	700	N	N	N	20	100
4098	38 17 12	105 53 25	2.0	.30	10.00	>1.0	700	N	N	N	20	100
4100	38 17 38	105 53 26	2.0	.70	10.00	>1.0	1,000	N	N	N	30	200
4102	38 18 27	105 52 50	3.0	1.00	10.00	>1.0	700	N	N	N	50	300
4104	38 18 22	105 53 11	5.0	2.00	15.00	>1.0	1,000	N	N	N	70	200
4106	38 18 0	105 53 20	2.0	.50	10.00	>1.0	700	N	N	N	50	150
4108	38 18 10	105 53 38	1.0	.20	10.00	>1.0	700	N	N	N	20	150
4110	38 18 26	105 53 46	2.0	1.00	10.00	>1.0	1,000	N	N	N	200	500
4112	38 25 40	105 59 32	1.5	.50	20.00	>1.0	700	N	N	N	300	150
4114	38 26 4	105 59 21	2.0	.50	10.00	>1.0	700	N	N	N	20	150
4116	38 26 38	105 58 29	1.5	.50	>20.00	>1.0	700	N	N	N	100	100
4118	38 26 38	105 58 33	2.0	.20	10.00	>1.0	500	N	N	N	20	1,000
4120	38 26 52	105 58 58	5.0	.50	3.00	>1.0	500	N	N	N	200	5,000
4122	38 27 8	105 58 56	3.0	.20	5.00	>1.0	700	N	N	N	20	1,000
4124	38 24 27	105 56 48	.7	.15	1.00	>1.0	100	N	N	N	500	100
4126	38 24 35	105 56 17	.7	.20	10.00	>1.0	300	N	N	N	500	1,000
4128	38 24 47	105 55 54	.7	.20	20.00	>1.0	500	100	N	<20	500	150
4130	38 25 26	105 55 44	3.0	.10	7.00	>1.0	500	20	N	200	50	>5,000
4132	38 25 37	105 54 56	.5	<.05	<.10	>1.0	100	N	N	N	20	>5,000
4134	38 25 35	105 54 51	.7	.15	5.00	>1.0	200	N	N	N	70	5,000
4136	38 24 53	105 53 58	2.0	.30	7.00	>1.0	500	N	N	N	20	700
4138	38 24 27	105 54 40	2.0	.30	7.00	>1.0	1,000	N	N	N	20	1,500
4140	38 23 19	105 55 55	.7	.20	2.00	.2	200	N	N	N	20	1,000
4142	38 23 24	105 55 54	.5	.10	1.50	>1.0	1,000	N	N	N	20	>5,000
4144	38 23 43	105 55 20	1.0	.20	5.00	>1.0	1,000	N	N	N	20	5,000
4148	38 24 45	105 55 11	1.0	.50	3.00	>1.0	300	N	N	N	300	150
4150	38 24 46	105 55 0	1.0	.10	2.00	>1.0	200	N	N	N	20	700
4152	38 25 13	105 54 35	1.5	.20	5.00	>1.0	200	N	N	N	150	200
4154	38 25 10	105 54 30	1.5	.20	10.00	>1.0	700	N	N	N	20	700
4156	38 21 33	105 52 30	1.5	.20	15.00	>1.0	700	N	N	N	30	700
4158	38 21 51	105 52 4	2.0	1.00	10.00	>1.0	1,000	N	N	N	50	1,000
4160	38 21 55	105 52 7	1.5	.50	15.00	>1.0	1,000	N	N	N	30	>5,000
4162	38 22 46	105 51 30	2.0	.70	10.00	>1.0	3,000	N	N	N	20	2,000
4164	37 50 45	105 28 50	2.0	.20	7.00	>1.0	500	N	N	N	20	300
4166	37 50 20	105 28 38	2.0	.10	5.00	>1.0	500	N	N	N	20	500
4168	37 50 22	105 28 44	2.0	.50	5.00	>1.0	700	N	N	N	20	500
4172	37 49 21	105 29 23	2.0	.20	7.00	>1.0	300	N	N	N	20	300
4174	37 49 22	105 29 26	2.0	.50	7.00	>1.0	700	N	N	N	20	100

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
4082	<2	N	N	<10	20	150	500	<10	70	10	50	N
4084	<2	N	N	<10	50	100	1,000	<10	<50	10	100	N
4086	<2	N	N	<10	20	100	1,000	10	50	<10	100	N
4088	7	N	N	<10	20	100	700	<10	<50	<10	70	N
4090	<2	N	N	<10	20	100	500	10	200	<10	100	N
4092	<2	N	N	<10	50	100	500	200	100	<10	5,000	N
4094	<2	N	N	<10	50	100	100	15	50	10	70	N
4096	5	N	N	<10	<20	50	300	N	<50	<10	100	N
4098	5	N	N	<10	<20	100	500	<10	<50	<10	200	N
4100	3	N	N	<10	20	100	500	10	50	10	200	N
4102	<2	N	N	<10	100	200	150	50	70	20	100	N
4104	<2	N	N	<10	150	200	150	700	70	30	2,000	N
4106	5	N	N	<10	20	500	500	20	50	20	500	N
4108	2	N	N	<10	<20	70	500	<10	50	20	70	N
4110	<2	N	N	<10	100	100	150	N	50	20	200	N
4112	<2	N	N	<10	<20	300	1,000	N	50	<10	50	N
4114	<2	N	N	<10	<20	100	200	N	100	<10	20	N
4116	<2	N	N	<10	<20	100	200	N	50	<10	30	N
4118	<2	N	N	<10	20	50	150	N	<50	10	30	N
4120	<2	50	N	<10	50	50	<50	N	50	20	20	N
4122	<2	200	N	<10	<20	50	<50	30	<50	10	50	N
4124	<2	N	N	10	50	70	<50	30	300	<10	200	N
4126	<2	N	N	<10	50	150	150	N	300	10	20	N
4128	<2	N	N	<10	<20	100	150	N	200	<10	20	N
4130	<2	N	N	50	<20	50	100	20	100	10	30	N
4132	<2	N	N	<10	N	70	<50	N	70	<10	30	N
4134	<2	N	N	20	100	100	<50	N	500	<10	20	N
4136	<2	20	N	<10	50	50	500	N	100	10	500	N
4138	<2	N	N	<10	50	50	1,000	N	150	10	70	N
4140	<2	N	N	<10	<20	20	<50	N	<50	<10	20	N
4142	<2	N	N	<10	<20	20	<50	N	100	<10	<20	N
4144	<2	N	N	<10	20	50	200	N	200	<10	70	N
4148	<2	N	N	<10	50	70	300	N	300	<10	100	N
4150	<2	N	N	<10	20	50	70	N	500	<10	<20	N
4152	<2	100	N	<10	50	50	200	N	500	10	50	N
4154	<2	N	N	<10	20	50	150	N	100	10	50	N
4156	<2	N	N	<10	<20	70	150	N	50	10	50	N
4158	<2	N	N	30	<20	50	150	50	50	10	70	N
4160	<2	N	N	15	<20	50	150	N	50	10	50	N
4162	<2	N	N	100	20	200	150	100	50	10	10,000	N
4164	<2	N	N	<10	<20	N	300	N	<50	10	70	N
4166	<2	N	N	<10	<20	N	200	N	<50	10	30	N
4168	<2	N	N	<10	<20	N	200	N	<50	10	50	N
4172	<2	N	N	<10	<20	50	200	N	<50	10	30	N
4174	<2	N	N	<10	<20	50	500	<10	<50	10	70	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
4082	10	50	<200	150	N	1,000	N	>1,000	N
4084	30	50	<200	150	N	1,000	N	>1,000	N
4086	20	200	N	150	N	1,000	N	>1,000	N
4088	20	50	<200	150	N	1,000	N	>1,000	N
4090	20	100	N	150	N	1,500	N	>1,000	N
4092	20	150	N	200	N	1,500	N	>1,000	N
4094	<10	N	500	200	100	300	N	>1,000	N
4096	10	30	<200	100	N	1,500	N	>1,000	N
4098	30	30	<200	100	100	2,000	N	>1,000	N
4100	20	50	<200	150	100	1,500	N	>1,000	N
4102	<10	30	<200	150	200	700	N	>1,000	N
4104	<10	20	<200	200	1,000	700	N	>1,000	N
4106	20	150	N	100	100	2,000	N	>1,000	N
4108	10	30	N	100	N	1,500	N	>1,000	N
4110	N	N	<200	150	N	700	N	>1,000	N
4112	N	N	<200	200	N	700	N	>1,000	N
4114	N	30	<200	150	N	500	N	>1,000	N
4116	N	20	200	150	N	500	N	>1,000	N
4118	N	<20	<200	100	N	700	N	>1,000	N
4120	10	<20	<200	100	N	700	N	>1,000	N
4122	10	30	<200	100	150	1,000	N	>1,000	N
4124	70	300	N	100	N	500	N	>1,000	N
4126	20	200	<200	150	N	500	N	>1,000	N
4128	10	100	200	100	100	300	N	>1,000	N
4130	10	>1,000	200	150	1,000	500	N	>1,000	N
4132	N	100	5,000	150	N	20	N	>1,000	N
4134	50	>1,000	N	150	N	500	N	>1,000	N
4136	10	>1,000	N	150	100	700	N	>1,000	N
4138	10	50	<200	100	200	700	N	>1,000	N
4140	N	N	<200	20	N	50	N	>1,000	N
4142	N	N	<200	20	N	70	N	>1,000	N
4144	N	30	<200	100	<100	500	N	>1,000	N
4148	20	300	<200	100	200	700	N	>1,000	N
4150	10	150	<200	70	500	200	N	>1,000	N
4152	10	300	N	150	<100	700	N	>1,000	N
4154	N	100	<200	150	500	500	N	>1,000	N
4156	N	<20	200	100	500	500	N	>1,000	N
4158	N	20	200	100	500	500	500	>1,000	N
4160	N	N	300	100	500	700	N	>1,000	N
4162	N	150	200	150	1,000	500	2,000	>1,000	N
4164	10	50	<200	150	N	700	N	>1,000	N
4166	N	300	200	100	N	500	N	>1,000	N
4168	10	20	200	100	N	500	N	>1,000	N
4172	10	50	200	100	N	500	N	>1,000	N
4174	15	30	<200	150	N	700	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
4176	37 49 47	105 29 21	2.0	.50	5.00	>1.0	700	N	N	N	20	300
4178	37 49 48	105 29 23	3.0	.50	7.00	>1.0	700	N	N	N	20	300
4180	37 49 48	105 29 25	2.0	.15	5.00	.7	200	N	N	N	20	1,000
4182	37 49 43	105 29 43	2.0	.20	5.00	>1.0	500	N	N	N	20	150
4184	37 49 41	105 29 47	2.0	.15	7.00	>1.0	700	N	N	N	20	100
4186	37 49 37	105 29 50	2.0	.20	2.00	>1.0	500	N	N	N	20	500
4188	37 43 52	105 27 45	2.0	.20	10.00	>1.0	500	N	N	N	20	200
4190	37 43 50	105 27 42	2.0	.20	10.00	>1.0	500	N	N	N	20	150
4192	37 43 48	105 27 56	2.0	.20	7.00	>1.0	500	N	N	N	20	150
4194	37 43 52	105 27 58	2.0	.20	10.00	>1.0	500	N	N	N	20	100
4196	37 43 48	105 28 18	2.0	.20	7.00	>1.0	500	N	N	N	20	100
4198	37 43 52	105 28 20	3.0	.50	15.00	>1.0	700	N	N	N	20	300
4200	37 43 50	105 29 13	2.0	.20	5.00	>1.0	300	N	N	N	20	200
4202	37 43 47	105 29 15	2.0	.20	10.00	>1.0	500	N	N	N	20	200
4204	37 47 46	105 26 25	3.0	.50	10.00	>1.0	500	N	N	N	20	200
4206	37 47 26	105 26 11	2.0	.20	10.00	>1.0	500	N	N	N	20	100
4208	37 47 37	105 25 28	2.0	.20	10.00	>1.0	700	N	N	N	20	100
4210	37 47 38	105 25 28	2.0	.20	10.00	>1.0	700	N	N	N	20	100
4212	37 47 49	105 25 19	2.0	.30	10.00	>1.0	700	N	N	N	50	100
4214	37 48 9	105 24 58	2.0	.20	7.00	>1.0	700	N	N	N	20	200
4216	37 48 11	105 24 58	2.0	.20	10.00	>1.0	700	N	N	N	20	300
4218	37 48 48	105 25 7	7.0	.20	7.00	>1.0	1,000	N	N	N	30	200
4220	37 48 55	105 25 14	5.0	.50	7.00	>1.0	700	N	N	N	50	500
4222	37 48 57	105 25 15	5.0	1.00	10.00	>1.0	700	N	N	N	50	1,000
4224	37 48 58	105 25 12	7.0	1.00	7.00	>1.0	700	N	N	N	50	700
4226	37 50 0	105 25 21	2.0	1.00	10.00	>1.0	1,000	N	N	N	50	500
4228	37 49 58	105 25 24	5.0	.70	10.00	>1.0	700	N	N	N	50	200
4230	37 49 54	105 25 18	5.0	.70	7.00	>1.0	700	N	N	N	50	300
4232	37 50 11	105 25 15	2.0	.70	7.00	>1.0	700	N	N	N	50	500
4234	37 50 24	105 25 1	2.0	.50	7.00	>1.0	700	N	N	N	50	500
4236	37 41 14	105 30 5	2.0	.70	7.00	>1.0	700	N	N	N	20	1,000
4238	37 41 1	105 31 13	3.0	.50	10.00	>1.0	700	N	N	N	30	300
4240	37 40 46	105 31 13	5.0	1.00	10.00	>1.0	1,000	N	N	N	20	1,000
4242	37 40 44	105 31 50	5.0	1.00	10.00	>1.0	1,000	N	N	N	20	500
4244	37 40 40	105 32 1	2.0	.50	15.00	>1.0	1,000	N	N	N	20	700
4246	37 40 30	105 32 8	2.0	.20	2.00	>1.0	200	N	N	N	100	100
4248	37 40 15	105 32 16	7.0	.70	7.00	>1.0	1,000	N	N	N	50	500
4250	37 35 26	105 30 18	5.0	1.00	5.00	>1.0	1,000	N	N	N	100	200
4252	37 35 25	105 30 25	7.0	.50	5.00	>1.0	1,000	N	N	N	20	150
4254	37 36 24	105 31 25	7.0	1.50	7.00	>1.0	1,000	N	N	N	30	300
4256	37 36 36	105 31 48	2.0	.70	10.00	>1.0	1,000	N	N	N	<20	200
4258	37 36 45	105 31 57	2.0	.70	5.00	>1.0	500	N	N	N	100	150
4260	37 36 48	105 32 43	2.0	.70	3.00	>1.0	500	N	N	N	100	150
4262	37 50 54	105 24 36	5.0	.70	7.00	>1.0	700	N	N	N	30	>5,000
4264	37 50 55	105 24 38	10.0	.50	7.00	>1.0	700	N	N	N	30	>5,000

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
4176	<2	N	N	<10	<20	50	300	N	<50	10	3,000	N
4178	<2	N	N	<10	<20	50	200	N	<50	10	50	N
4180	<2	N	N	<10	<20	30	500	N	<50	10	20	N
4182	<2	N	N	<10	<20	50	200	N	<50	10	<20	N
4184	<2	N	N	<10	<20	100	500	N	<50	10	30	N
4186	<2	N	N	<10	<20	50	200	N	<50	10	50	N
4188	<2	N	N	<10	<20	100	200	N	<50	10	50	N
4190	<2	N	N	<10	<20	100	300	N	50	10	70	N
4192	<2	N	N	<10	<20	70	300	N	<50	10	50	N
4194	<2	N	N	<10	20	100	500	N	70	<10	50	N
4196	<2	N	N	<10	20	70	500	N	<50	10	50	N
4198	<2	N	N	<10	<20	70	300	N	100	10	5	N
4200	<2	N	N	<10	20	50	200	N	<50	10	5	N
4202	<2	N	N	<10	20	100	300	30	50	10	200	N
4204	<2	N	N	<10	50	100	500	N	70	10	70	N
4206	<2	N	N	<10	20	150	500	N	50	10	150	N
4208	<2	N	N	<10	20	50	500	N	50	10	100	N
4210	<2	N	N	<10	20	50	500	N	50	10	50	N
4212	<2	N	N	<10	20	100	500	N	50	10	50	N
4214	<2	N	N	<10	<20	50	300	N	50	10	50	N
4216	<2	N	N	<10	<20	50	200	N	50	10	50	N
4218	<2	N	N	<10	20	100	500	N	50	10	70	N
4220	2	N	N	<10	20	100	200	N	50	10	70	N
4222	<2	N	N	<10	20	100	150	N	100	10	50	N
4224	<2	N	N	<10	30	100	150	N	200	10	70	N
4226	2	N	N	<10	20	100	300	<10	100	10	70	N
4228	<2	N	N	<10	30	100	300	N	100	10	50	N
4230	2	N	N	<10	<20	100	300	N	100	10	50	N
4232	<2	N	N	<10	<20	100	200	N	100	10	70	N
4234	<2	N	N	<10	<20	70	150	N	100	10	50	N
4236	<2	N	N	<10	<20	70	150	N	100	10	50	N
4238	<2	N	N	<10	20	100	300	N	100	10	50	N
4240	<2	N	N	<10	30	150	500	N	100	10	50	N
4242	<2	N	N	<10	70	100	500	<10	70	10	100	N
4244	<2	N	N	<10	20	100	500	<10	100	10	50	N
4246	<2	N	N	<10	70	70	100	N	50	15	<20	N
4248	<2	N	N	<10	30	100	300	N	70	15	50	N
4250	<2	N	N	50	70	70	150	N	<50	20	50	N
4252	<2	N	N	70	20	50	150	N	<50	20	50	N
4254	<2	N	N	50	50	100	100	10	50	20	30	N
4256	<2	N	N	<10	20	150	500	<10	100	10	30	N
4258	<2	N	N	<10	100	100	150	N	70	20	20	N
4260	<2	N	N	10	70	100	150	N	50	20	<20	N
4262	<2	N	N	<10	70	100	300	N	50	20	100	N
4264	<2	N	N	<10	50	200	200	<10	50	20	50	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
4176	10	20	200	300	N	500	N	>1,000	N
4178	10	<20	200	100	N	500	N	>1,000	N
4180	N	N	500	50	N	100	N	>1,000	N
4182	20	N	<200	100	N	700	N	>1,000	N
4184	15	50	<200	100	N	1,000	N	>1,000	N
4186	10	50	<200	70	N	500	N	>1,000	N
4188	20	30	N	150	N	1,000	N	>1,000	N
4190	20	30	N	150	N	700	N	>1,000	500
4192	30	30	N	150	N	1,000	N	>1,000	N
4194	20	70	N	150	N	1,000	N	>1,000	N
4196	30	30	N	150	N	1,000	N	>1,000	N
4198	20	50	<200	150	N	700	N	>1,000	N
4200	20	20	<200	100	N	500	N	>1,000	N
4202	20	50	N	150	N	1,000	N	>1,000	N
4204	20	50	N	150	N	1,000	N	>1,000	N
4206	20	100	N	150	N	1,000	N	>1,000	N
4208	20	50	N	150	N	1,000	N	>1,000	N
4210	20	50	N	150	N	1,000	N	>1,000	N
4212	20	50	N	150	N	700	N	>1,000	N
4214	10	30	N	150	N	700	N	>1,000	N
4216	10	20	N	100	N	700	N	>1,000	N
4218	15	50	<200	150	N	1,000	N	>1,000	N
4220	20	<20	200	100	N	1,000	N	>1,000	N
4222	10	N	300	100	N	500	N	>1,000	N
4224	10	N	200	100	N	500	N	>1,000	N
4226	10	30	<200	100	N	1,000	N	>1,000	N
4228	10	30	<200	150	N	700	N	>1,000	N
4230	10	30	<200	150	N	700	N	>1,000	N
4232	10	50	200	150	N	500	N	>1,000	N
4234	10	N	200	150	N	500	N	>1,000	N
4236	N	<20	200	100	N	500	N	>1,000	N
4238	<10	50	200	150	N	700	N	>1,000	N
4240	N	50	300	200	N	700	N	>1,000	N
4242	<10	50	200	200	N	700	N	>1,000	N
4244	N	50	200	200	N	700	N	>1,000	N
4246	N	N	200	150	100	100	N	>1,000	N
4248	10	N	200	200	200	500	N	>1,000	N
4250	10	N	200	150	200	300	N	>1,000	N
4252	20	N	200	150	200	700	N	>1,000	N
4254	10	N	500	150	300	200	N	>1,000	N
4256	10	50	200	200	<100	700	N	>1,000	N
4258	<10	N	300	150	150	100	N	>1,000	N
4260	<10	N	200	150	1,000	100	N	>1,000	N
4262	50	30	200	150	N	700	N	>1,000	N
4264	20	30	<200	200	N	700	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S MN	S-AG	S-AS	S-AU	S-B	S-BA
4266	37 50 37	105 24 28	7.0	.50	7.00	>1.0	700	N	N	N	30	500
4268	37 52 24	105 27 34	10.0	1.50	10.00	>1.0	1,500	N	N	N	30	200
4270	37 52 17	105 26 46	5.0	.50	7.00	>1.0	500	N	N	N	30	700
4272	37 51 49	105 28 31	7.0	1.00	10.00	>1.0	1,000	N	N	N	70	200
4274	37 51 46	105 28 32	1.5	.50	10.00	>1.0	1,000	N	N	N	20	200
4276	37 51 55	105 28 11	5.0	1.00	10.00	>1.0	1,000	N	N	N	50	200
4278	37 51 46	105 27 5	1.5	.30	7.00	>1.0	500	N	N	N	20	700
4280	37 51 35	105 27 24	5.0	.15	7.00	>1.0	500	N	N	N	70	200
4282	37 52 24	105 25 37	3.0	.30	7.00	>1.0	500	N	N	N	20	1,000
4284	37 52 17	105 25 32	5.0	.30	10.00	>1.0	700	N	N	N	20	200
4286	37 52 15	105 25 18	5.0	.50	7.00	>1.0	700	N	N	N	50	500
4288	37 52 17	105 24 49	5.0	.20	5.00	>1.0	500	N	N	N	20	500
4290	37 52 32	105 24 25	5.0	.50	7.00	>1.0	500	N	N	N	20	700
4292	37 52 35	105 24 26	5.0	.50	7.00	>1.0	700	N	N	N	20	700
4294	37 52 50	105 25 4	10.0	.50	7.00	>1.0	1,000	N	N	N	20	500
4296	37 53 14	105 25 16	10.0	.50	5.00	>1.0	700	N	N	N	100	700
4298	38 24 19	106 0 6	10.0	1.00	10.00	>1.0	3,000	N	N	N	200	200
4300	38 23 51	106 0 52	2.0	.50	20.00	>1.0	1,000	N	N	N	20	200
4304	38 24 44	106 1 33	3.0	.50	5.00	>1.0	1,000	N	N	N	1,000	200
4308	38 24 22	106 0 55	3.0	.70	15.00	>1.0	1,000	N	N	N	20	300
4310	38 15 21	105 48 50	1.5	.07	5.00	>1.0	150	700	N	N	20	>5,000
4312	38 15 23	105 49 19	5.0	2.00	2.00	>1.0	300	50	N	N	50	5,000
4314	38 15 23	105 49 17	5.0	.10	.50	>1.0	300	20	N	N	50	3,000
4316	38 15 18	105 49 30	3.0	2.00	2.00	>1.0	200	5	N	N	70	500
4320	38 14 39	105 50 9	1.0	.05	2.00	1.0	100	100	N	N	<20	>5,000
4322	38 7 54	105 41 6	3.0	.20	2.00	>1.0	700	20	N	N	500	>5,000
4326	38 7 55	105 41 38	5.0	.20	1.50	>1.0	700	N	N	N	1,500	>5,000
4330	38 8 53	105 42 4	5.0	.30	5.00	>1.0	1,000	N	N	N	2,000	>5,000
4332	38 9 22	105 42 7	10.0	.20	5.00	>1.0	700	N	N	N	70	5,000
4334	38 9 40	105 42 55	5.0	.30	5.00	>1.0	1,000	N	N	N	1,500	>5,000
4336	38 9 42	105 42 58	5.0	.20	5.00	>1.0	1,000	N	N	N	200	>5,000
4340	38 9 20	105 44 10	5.0	.20	5.00	>1.0	1,000	N	N	N	200	>5,000
4342	38 9 16	105 44 12	5.0	.20	3.00	>1.0	1,000	N	N	N	200	3,000
4344	38 9 16	105 44 22	5.0	.20	3.00	>1.0	700	N	N	N	200	>5,000
4346	38 8 54	105 45 27	5.0	.20	3.00	>1.0	500	N	N	N	200	>5,000
4348	38 8 40	105 45 59	7.0	.20	3.00	>1.0	500	N	N	N	50	1,000
4350	38 8 26	105 46 29	5.0	.30	2.00	>1.0	500	N	N	N	100	>5,000
4358	38 17 34	105 49 0	20.0	.30	.20	>1.0	300	N	N	N	500	1,000
4364	38 18 45	105 49 28	5.0	.20	.15	>1.0	300	N	N	N	150	>5,000
4368	38 19 48	105 49 3	2.0	.30	.50	>1.0	300	N	N	N	150	1,500
4372	37 58 15	105 35 57	3.0	.30	5.00	>1.0	500	N	N	N	100	500
4374	37 58 10	105 36 30	5.0	.30	5.00	>1.0	1,000	N	N	N	200	200
4376	37 57 51	105 37 7	5.0	.50	5.00	>1.0	700	N	N	N	300	500
4378	37 57 40	105 38 9	5.0	.30	3.00	>1.0	1,000	N	N	N	100	200
4380	37 57 39	105 38 7	7.0	.30	5.00	>1.0	1,500	N	N	N	300	300

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
4266	<2	N	N	<10	20	100	200	<10	70	20	50	N
4268	<2	N	N	<10	50	200	500	20	100	20	50	N
4270	<2	N	N	<10	<20	100	200	N	50	<20	50	N
4272	<2	N	N	<10	50	150	500	15	150	20	70	N
4274	<2	N	N	<10	50	100	500	15	150	15	70	N
4276	<2	N	N	<10	50	100	300	15	100	20	70	N
4278	<2	N	N	<10	<20	50	150	N	100	10	50	N
4280	<2	N	N	<10	20	50	200	N	50	15	50	N
4282	<2	N	N	<10	<20	100	150	<10	70	10	50	N
4284	<2	N	N	<10	<20	100	200	<10	50	10	50	N
4286	<2	N	N	<10	<20	100	200	<10	70	10	50	N
4288	<2	N	N	<10	<20	70	200	N	50	10	30	N
4290	<2	N	N	<10	<20	100	200	<10	100	10	50	N
4292	<2	N	N	<10	<20	70	200	N	70	10	50	N
4294	<2	N	N	<10	20	100	200	<10	100	10	50	N
4296	<2	N	N	<10	20	100	200	10	100	10	30	N
4298	<2	N	N	<10	<20	150	100	<10	<50	10	10,000	N
4300	<2	N	N	10	<20	200	200	<10	<50	10	100	N
4304	<2	N	N	<10	<20	100	500	N	50	10	50	N
4308	<2	N	N	<10	30	150	200	<10	50	20	30	N
4310	<2	N	N	<10	<20	1,000	50	N	50	20	>20,000	200
4312	<2	N	N	10	150	200	200	N	100	20	10,000	N
4314	<2	N	N	10	100	200	200	N	100	30	5,000	N
4316	<2	N	N	<10	200	150	200	N	50	20	200	N
4320	<2	N	N	N	N	70	70	N	<50	10	7,000	N
4322	<2	N	N	<10	<20	70	300	N	<50	20	1,000	N
4326	<2	N	N	<10	20	300	700	N	<50	20	200	N
4330	<2	N	N	<10	30	50	500	N	<50	20	70	N
4332	<2	N	N	<10	100	100	200	N	<50	20	70	N
4334	<2	N	N	10	70	100	300	N	<50	20	70	N
4336	<2	N	N	<10	50	70	150	N	50	15	70	N
4340	2	N	N	<10	50	70	200	N	<50	15	150	N
4342	<2	N	N	<10	50	70	200	N	<50	15	50	N
4344	2	N	N	<10	50	100	200	N	<50	15	50	N
4346	<2	N	N	<10	50	70	200	N	<50	15	50	N
4348	<2	N	N	<10	70	100	200	N	<50	15	1,000	N
4350	<2	N	N	<10	70	200	200	N	150	30	50	N
4358	<2	N	N	<10	70	70	300	N	100	30	50	N
4364	<2	N	N	<10	100	150	200	N	200	20	50	N
4368	<2	N	N	<10	100	50	50	N	50	15	30	N
4372	N	N	N	<10	20	70	300	N	50	15	50	N
4374	<2	N	N	<10	70	100	300	N	50	15	50	N
4376	<2	N	N	<10	70	100	300	N	70	15	50	N
4378	<2	N	N	<10	50	70	300	N	50	15	50	N
4380	<2	N	N	10	70	100	200	N	50	15	50	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
4266	20	30	<200	150	N	700	N	>1,000	N
4268	15	N	N	200	N	700	N	>1,000	N
4270	10	N	500	150	N	500	N	>1,000	N
4272	10	70	<200	200	N	1,000	N	>1,000	N
4274	<10	50	200	150	N	1,000	N	>1,000	N
4276	<10	50	<200	200	N	1,000	N	>1,000	N
4278	<10	N	500	100	N	200	N	>1,000	N
4280	<10	20	200	150	N	700	N	>1,000	N
4282	<10	<20	200	150	N	500	N	>1,000	N
4284	<10	50	<200	200	N	1,000	N	>1,000	N
4286	<10	20	200	150	N	500	N	>1,000	N
4288	<10	<20	300	150	N	500	N	>1,000	N
4290	<10	<20	200	150	N	500	N	>1,000	N
4292	<10	<20	300	150	N	500	N	>1,000	N
4294	<10	N	<200	200	N	700	N	>1,000	N
4296	<10	<20	200	200	<100	700	N	>1,000	N
4298	<10	N	200	200	N	200	N	>1,000	N
4300	<10	N	300	200	N	500	N	>1,000	N
4304	<10	N	<200	200	<100	300	N	>1,000	N
4308	<10	N	200	200	N	500	N	>1,000	N
4310	<10	N	2,000	70	N	300	N	>1,000	N
4312	50	30	200	200	N	1,000	N	>1,000	N
4314	<10	N	<200	200	N	300	N	>1,000	N
4316	50	20	N	200	N	1,500	N	>1,000	N
4320	N	N	>5,000	50	N	150	N	>1,000	N
4322	30	N	2,000	100	N	1,000	N	>1,000	<200
4326	10	N	1,000	100	N	500	N	>1,000	N
4330	30	N	700	100	N	1,500	N	>1,000	500
4332	20	20	<200	200	N	1,000	N	>1,000	200
4334	20	<20	500	100	N	1,000	N	>1,000	N
4336	20	20	500	150	N	1,000	N	>1,000	N
4340	30	20	1,000	100	N	1,500	N	>1,000	<200
4342	20	N	200	150	N	500	N	>1,000	<200
4344	30	<20	700	100	N	1,000	N	>1,000	<200
4346	20	N	300	150	N	1,000	N	>1,000	N
4348	50	100	200	150	N	1,000	N	>1,000	N
4350	<10	N	500	100	N	200	N	>1,000	N
4358	50	N	500	200	N	1,000	N	>1,000	<200
4364	N	N	300	200	N	700	N	>1,000	<200
4368	30	N	<200	100	N	200	N	>1,000	N
4372	10	50	<200	100	100	700	N	>1,000	<200
4374	10	30	<200	100	100	700	N	>1,000	<200
4376	10	50	200	150	<100	500	N	>1,000	<200
4378	10	20	<200	150	N	500	N	>1,000	N
4380	10	20	<200	150	100	700	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
4382	37 57 39	105 38 15	3.0	.50	5.00	>1.0	700	N	N	N	200	200
4384	37 57 14	105 39 15	5.0	.50	5.00	>1.0	700	N	N	N	300	200
4386	37 58 31	105 37 35	5.0	.50	5.00	>1.0	700	N	N	N	500	200
4388	37 58 33	105 37 36	5.0	.50	5.00	>1.0	700	N	N	N	200	200
4390	37 58 36	105 38 9	3.0	.30	5.00	>1.0	700	N	N	N	20	200
4392	37 58 37	105 38 9	5.0	.50	5.00	>1.0	700	N	N	N	50	150
4394	37 58 52	105 38 55	5.0	.50	7.00	>1.0	700	N	N	N	50	150
4396	37 58 50	105 38 54	5.0	.50	7.00	>1.0	1,000	N	N	N	20	200
4398	37 59 34	105 31 15	7.0	.50	7.00	>1.0	1,000	N	N	N	20	200
4400	37 59 27	105 31 0	10.0	.50	7.00	>1.0	1,000	N	N	N	50	700
4402	37 59 37	105 29 44	5.0	.30	7.00	>1.0	700	N	N	N	30	5,000
4404	37 59 41	105 29 38	5.0	.50	7.00	>1.0	1,000	N	N	N	30	200
4406	38 13 5	105 40 52	7.0	.30	5.00	>1.0	700	N	N	N	50	500
4408	38 13 13	105 39 35	10.0	.50	7.00	>1.0	1,000	N	N	N	100	700
4410	38 12 56	105 39 8	10.0	.30	3.00	>1.0	1,000	N	N	N	50	200
4412	38 12 41	105 39 13	10.0	.20	3.00	>1.0	700	N	N	N	50	>5,000
4414	38 12 42	105 39 13	10.0	.20	1.00	>1.0	500	N	N	N	50	5,000
4416	38 12 9	105 38 38	10.0	.20	3.00	>1.0	700	N	N	N	50	700
4418	38 11 53	105 38 29	3.0	.30	7.00	>1.0	1,000	N	N	N	70	1,000
4420	38 11 28	105 37 35	10.0	.20	7.00	>1.0	1,000	N	N	N	150	300
4422	38 10 34	105 36 39	2.0	.30	7.00	>1.0	1,000	N	N	N	100	200
4424	38 10 26	105 36 30	5.0	.10	7.00	>1.0	700	N	N	N	100	1,500
4426	38 9 1	105 36 31	5.0	.70	7.00	>1.0	1,000	N	N	N	200	200
4428	37 39 0	105 26 43	3.0	.70	7.00	>1.0	1,000	N	N	N	50	5,000
4430	37 38 11	105 26 46	5.0	1.00	7.00	>1.0	1,000	N	N	N	50	200
4432	37 37 58	105 26 32	2.0	.50	2.00	>1.0	700	N	N	N	50	200
4434	37 37 20	105 25 30	3.0	.30	2.00	>1.0	700	N	N	N	70	>5,000
4436	37 37 30	105 24 35	3.0	1.50	7.00	>1.0	1,000	N	N	N	70	3,000
4438	37 38 28	105 24 46	2.0	.50	7.00	>1.0	700	N	N	N	70	>5,000
4440	37 38 31	105 24 46	2.0	.70	10.00	>1.0	1,500	N	N	N	20	700
4442	37 59 45	105 29 39	5.0	.50	7.00	>1.0	1,000	N	N	N	20	500
4444	38 8 36	105 36 5	5.0	.50	5.00	>1.0	700	N	N	N	200	2,000
5000	37 53 35	105 29 50	5.0	.50	10.00	>1.0	700	N	N	N	70	150
5002	37 53 18	105 30 8	3.0	.50	10.00	>1.0	700	N	N	N	70	200
5004	37 52 18	105 31 1	2.0	.20	15.00	>1.0	700	N	N	N	50	200
5006	37 52 15	105 31 1	3.0	.50	10.00	>1.0	700	N	N	N	30	150
5008	37 52 6	105 31 14	2.0	.20	15.00	>1.0	700	N	N	N	20	150
5012	37 52 6	105 32 25	2.0	.50	10.00	>1.0	700	N	N	N	50	150
5014	37 56 7	105 28 49	2.0	.30	10.00	>1.0	700	N	N	N	70	200
5016	37 56 6	105 28 42	3.0	.30	10.00	>1.0	700	N	N	N	70	200
5018	37 56 25	105 27 35	2.0	.30	10.00	>1.0	700	N	N	N	30	300
5020	37 57 43	105 28 49	5.0	.50	10.00	>1.0	700	N	N	N	500	700
5022	38 16 0	105 50 2	5.0	.50	2.00	>1.0	500	N	N	N	200	3,000
5024	38 15 52	105 50 32	5.0	.30	2.00	>1.0	500	N	N	N	150	1,000
5026	38 15 56	105 51 9	5.0	.50	5.00	>1.0	500	N	N	N	100	2,000

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
4382	<2	N	N	<10	70	70	200	N	100	15	50	N
4384	<2	N	N	<10	50	100	200	N	50	15	50	N
4386	<2	N	N	<10	50	100	300	N	50	20	50	N
4388	<2	N	N	<10	70	100	500	N	70	15	50	N
4390	<2	N	N	<10	50	100	300	N	100	15	50	N
4392	<2	N	N	<10	50	100	500	N	100	15	70	N
4394	<2	N	N	<10	50	70	500	N	100	15	70	N
4396	<2	N	N	<10	70	100	500	N	100	15	70	N
4398	<2	N	N	<10	70	100	300	N	100	15	70	N
4400	<2	N	N	<10	70	100	200	N	70	15	50	N
4402	<2	N	N	<10	70	70	300	N	50	15	50	N
4404	<2	N	N	<10	70	70	200	N	50	10	50	N
4406	<2	N	N	<10	70	50	200	N	<50	10	50	N
4408	<2	N	N	<10	70	70	200	N	<50	15	70	N
4410	<2	N	N	<10	<20	50	200	N	100	10	50	N
4412	<2	N	N	<10	50	50	150	N	<50	20	20	N
4414	<2	N	N	<10	100	70	70	N	50	10	20	N
4416	2	N	N	<10	100	100	200	N	<50	10	50	N
4418	<2	N	N	<10	70	100	200	N	50	<10	70	N
4420	<2	N	N	<10	100	100	300	N	<50	<10	70	N
4422	<2	N	N	<10	50	100	300	N	<50	<10	70	N
4424	<2	N	N	<10	20	70	100	N	N	<10	200	N
4426	<2	N	N	<10	100	100	200	N	<50	20	100	N
4428	<2	N	N	<10	100	100	150	N	<50	20	150	N
4430	<2	N	N	<10	100	100	150	N	<50	20	50	N
4432	<2	N	N	<10	30	50	100	N	<50	10	30	N
4434	<2	N	N	<10	150	150	300	N	50	10	100	N
4436	<2	N	N	<10	100	100	50	N	50	20	50	N
4438	<2	N	N	<10	70	50	20	N	<50	20	<20	N
4440	<2	N	N	<10	70	150	200	N	50	20	100	N
4442	<2	N	N	<10	50	100	100	N	50	10	70	N
4444	<2	N	N	<10	50	100	150	N	<50	10	70	N
5000	<2	N	N	<10	20	100	500	15	100	20	70	N
5002	<2	N	N	<10	<20	100	300	20	150	20	70	N
5004	<2	N	N	<10	<20	70	500	20	100	10	70	N
5006	<2	N	N	<10	20	100	500	20	150	20	70	N
5008	<2	N	N	<10	<20	70	500	15	70	20	50	N
5012	<2	N	N	<10	<20	50	500	10	100	20	50	N
5014	<2	N	N	<10	<20	50	500	20	100	20	70	N
5016	<2	N	N	<10	<20	70	300	20	100	10	70	N
5018	<2	N	N	<10	<20	50	300	15	100	10	70	N
5020	<2	N	N	<10	30	70	300	20	100	10	70	N
5022	5	N	N	<10	500	100	300	<10	100	20	100	N
5024	2	N	N	<10	200	200	150	20	70	50	500	N
5026	2	N	N	<10	150	100	200	N	70	20	70	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
4382	10	70	<200	150	100	1,000	N	>1,000	N
4384	10	20	<200	150	150	700	N	>1,000	N
4386	<10	50	<200	150	<100	700	N	>1,000	N
4388	15	50	<200	150	<100	700	N	>1,000	N
4390	20	50	<200	150	<100	700	N	>1,000	N
4392	20	50	<200	150	<100	1,000	N	>1,000	N
4394	20	50	<200	150	<100	1,000	N	>1,000	<200
4396	15	50	<200	150	100	1,000	N	>1,000	N
4398	20	50	<200	150	<100	700	N	>1,000	N
4400	20	50	<200	150	N	700	N	>1,000	N
4402	20	30	200	150	N	700	N	>1,000	N
4404	20	30	<200	150	N	700	N	>1,000	N
4406	20	20	<200	150	N	1,500	N	>1,000	N
4408	20	50	<200	150	N	1,500	N	>1,000	N
4410	50	N	<200	200	N	1,000	N	>1,000	N
4412	<10	N	<200	200	N	1,500	N	>1,000	N
4414	10	N	<200	200	N	1,000	N	>1,000	N
4416	20	30	<200	200	N	2,000	N	>1,000	N
4418	20	70	N	150	N	1,500	N	>1,000	N
4420	50	50	N	150	N	1,500	N	>1,000	N
4422	30	30	N	150	N	1,500	N	>1,000	N
4424	>100	N	N	100	N	>2,000	N	>1,000	N
4426	20	N	200	150	N	1,000	N	>1,000	N
4428	30	<20	300	150	N	500	N	>1,000	N
4430	20	50	300	150	N	300	N	>1,000	N
4432	<10	N	200	100	N	200	N	>1,000	N
4434	100	20	500	150	N	1,000	N	>1,000	N
4436	20	N	700	100	N	200	N	>1,000	N
4438	10	N	1,000	50	N	150	N	>1,000	N
4440	20	70	<200	100	N	1,500	N	>1,000	N
4442	10	N	<200	100	N	500	N	>1,000	N
4444	20	20	<200	1,000	N	1,500	N	>1,000	N
5000	<10	50	<200	150	N	700	N	>1,000	N
5002	<10	50	<200	150	N	1,000	N	>1,000	N
5004	N	100	<200	150	N	1,000	N	>1,000	N
5006	N	70	200	150	N	1,000	N	>1,000	N
5008	N	50	300	150	N	1,000	N	>1,000	N
5012	<10	70	<200	150	N	1,000	N	>1,000	N
5014	<10	70	<200	200	N	1,000	N	>1,000	N
5016	10	100	<200	200	N	1,000	N	>1,000	N
5018	10	70	<200	200	N	700	N	>1,000	N
5020	30	70	<200	200	N	1,000	N	>1,000	N
5022	30	50	<200	200	N	1,000	N	>1,000	N
5024	50	30	<200	200	N	1,000	N	>1,000	N
5026	30	50	<200	200	N	1,000	N	>1,000	200

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
5028	38 16 43	105 50 35	5.0	.50	1.00	>1.0	150	N	N	N	100	500
5030	38 16 5	105 51 19	5.0	.50	10.00	>1.0	500	N	N	N	100	200
5032	38 27 45	105 59 50	2.0	.70	10.00	>1.0	700	N	N	N	500	100
5034	38 28 7	105 58 53	1.5	.30	5.00	>1.0	300	N	N	N	300	100
5036	38 27 14	105 59 54	3.0	.50	10.00	>1.0	700	N	N	N	>2,000	150
5038	38 27 39	105 59 10	3.0	.50	7.00	>1.0	700	N	N	N	200	700
5040	38 27 46	105 58 11	2.0	.20	15.00	>1.0	700	N	N	N	150	100
5042	38 27 45	105 58 10	2.0	.30	15.00	>1.0	700	N	N	N	30	100
5044	38 19 33	105 51 56	2.0	1.00	10.00	>1.0	700	N	N	N	200	200
5046	38 18 57	105 51 42	1.5	.70	10.00	>1.0	700	50	N	N	70	200
5048	38 19 3	105 50 38	2.0	1.50	20.00	>1.0	1,000	N	N	N	70	500
5050	38 18 57	105 50 40	2.0	.50	10.00	>1.0	700	N	N	N	70	200
5052	38 18 45	105 50 45	2.0	.70	10.00	>1.0	700	N	N	N	100	5,000
5054	38 18 43	105 50 43	2.0	.20	3.00	>1.0	150	N	N	N	100	>5,000
5056	38 19 40	105 49 50	2.0	.20	2.00	>1.0	150	N	N	N	100	5,000
5058	38 19 46	105 49 28	2.0	.30	7.00	>1.0	300	N	N	N	100	5,000
5060	38 20 7	105 49 47	3.0	.70	7.00	>1.0	500	N	N	N	200	2,000
5062	38 20 20	105 50 3	2.0	.50	10.00	>1.0	700	N	N	N	70	500
5064	38 20 42	105 50 31	2.0	1.00	10.00	>1.0	1,000	N	N	N	100	150
5066	38 20 43	105 50 33	5.0	1.00	7.00	>1.0	500	N	N	N	100	>5,000
5068	37 50 57	105 31 10	5.0	1.00	10.00	>1.0	1,000	N	N	N	20	200
5070	37 50 47	105 31 51	2.0	.70	10.00	>1.0	1,000	N	N	N	20	200
5072	37 50 30	105 31 49	2.0	.50	7.00	>1.0	700	N	N	N	20	200
5074	37 49 47	105 32 25	2.0	1.00	10.00	>1.0	1,000	N	N	N	20	300
5076	37 49 45	105 32 24	2.0	1.00	10.00	>1.0	1,000	N	N	N	20	100
5078	37 49 44	105 32 54	3.0	1.00	10.00	>1.0	1,000	N	N	N	20	100
5080	37 49 31	105 33 13	2.0	.30	7.00	>1.0	1,000	N	N	N	20	100
5082	37 49 37	105 33 28	3.0	1.50	10.00	>1.0	1,500	N	N	N	20	200
5084	37 49 52	105 34 6	2.0	.50	10.00	>1.0	1,500	N	N	N	20	200
5086	37 50 18	105 34 41	2.0	.70	10.00	>1.0	1,000	N	N	N	20	100
5088	37 43 9	105 26 49	2.0	.50	10.00	>1.0	700	N	N	N	50	70
5090	37 43 18	105 26 47	2.0	.50	10.00	>1.0	700	N	N	N	50	70
5092	37 44 20	105 26 43	2.0	.50	10.00	>1.0	1,000	N	N	N	50	100
5094	37 44 1	105 26 44	2.0	.20	10.00	>1.0	1,000	N	N	N	20	70
5096	37 43 33	105 26 45	2.0	.30	7.00	>1.0	500	N	N	N	20	700
5098	37 45 1	105 26 28	2.0	.30	7.00	>1.0	700	N	N	N	70	200
5100	37 44 57	105 26 44	1.5	.15	7.00	>1.0	300	N	N	N	20	700
5102	37 44 41	105 26 6	2.0	.20	10.00	>1.0	1,000	N	N	N	20	300
5104	37 37 33	105 30 25	2.0	.70	5.00	>1.0	500	N	N	N	50	300
5106	37 38 1	105 30 30	2.0	.70	7.00	>1.0	700	N	N	N	50	700
5108	37 38 4	105 31 19	2.0	.70	5.00	1.0	500	N	N	N	50	500
5110	37 38 17	105 32 28	2.0	.50	5.00	1.0	200	N	N	N	50	500
5112	37 38 45	105 30 0	1.5	.10	10.00	>1.0	500	N	N	N	20	150
5114	37 38 45	105 30 2	2.0	.50	10.00	>1.0	700	N	N	N	20	500
5116	37 38 35	105 30 54	2.0	.30	20.00	>1.0	700	N	N	N	20	200

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
5028	5	N	N	<10	200	150	300	N	50	20	100	N
5030	2	N	N	<10	100	100	300	30	70	20	100	N
5032	<2	N	N	<10	20	100	300	N	50	20	70	N
5034	<2	N	N	<10	<20	50	300	N	200	10	20	N
5036	<2	N	N	<10	<20	100	200	N	<50	20	3,000	N
5038	<2	700	N	<10	<20	70	300	N	<50	20	300	N
5040	<2	20	N	<10	<20	100	150	N	70	10	50	N
5042	<2	<20	N	<10	<20	70	300	N	50	20	50	N
5044	<2	<20	N	<10	50	100	200	70	50	20	70	N
5046	<2	<20	N	<10	50	100	100	20	70	30	70	N
5048	<2	<20	N	<10	50	100	150	30	70	20	70	N
5050	<2	N	N	<10	50	30	100	20	70	10	50	N
5052	<2	N	N	<10	70	100	200	N	50	20	100	N
5054	<2	N	N	<10	300	200	200	N	50	50	70	N
5056	<2	N	N	<10	100	50	150	N	<50	20	200	N
5058	<2	200	N	<10	150	200	200	20	50	20	3,000	N
5060	<2	N	N	<10	300	70	200	30	70	20	200	N
5062	<2	N	N	<10	100	200	150	20	50	15	100	N
5064	<2	N	N	<10	100	20	200	20	50	15	30	N
5066	<2	N	N	<10	150	200	200	20	50	20	200	N
5068	<2	N	N	<10	50	30	500	10	50	15	50	N
5070	<2	N	N	<10	20	30	500	10	50	10	50	N
5072	<2	N	N	<10	<20	30	500	<10	<50	10	30	N
5074	<2	N	N	<10	30	20	500	<10	<50	10	50	N
5076	<2	N	N	<10	20	30	700	<10	70	10	30	N
5078	<2	N	N	<10	20	30	700	10	50	10	50	N
5080	<2	N	N	<10	<20	20	1,000	<10	50	10	20	N
5082	<2	N	N	<10	100	30	700	<10	50	10	50	N
5084	<2	N	N	<10	<20	150	500	<10	50	10	50	N
5086	<2	N	N	<10	<20	20	500	<10	50	10	30	N
5088	<2	N	N	<10	<20	50	500	<10	70	<10	50	N
5090	<2	N	N	<10	20	20	500	<10	70	10	50	N
5092	<2	N	N	<10	50	50	1,000	<10	50	<10	50	N
5094	<2	N	N	<10	20	50	700	10	150	<10	70	N
5096	2	N	N	<10	<20	20	300	N	50	<10	70	N
5098	2	N	N	<10	<20	100	500	<10	50	<10	50	N
5100	<2	N	N	<10	<20	50	150	N	50	<10	50	N
5102	3	N	N	<10	20	100	500	N	<50	<10	100	N
5104	<2	N	N	<10	70	50	100	N	<50	20	30	N
5106	<2	N	N	<10	50	50	100	N	<50	10	30	N
5108	<2	N	N	<10	70	70	70	N	<50	20	50	N
5110	<2	N	N	<10	50	50	70	N	<50	10	20	N
5112	<2	N	N	<10	20	50	700	<10	100	10	<20	N
5114	<2	N	N	<10	20	70	300	20	70	10	50	N
5116	<2	N	N	<10	50	70	500	<10	70	10	50	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
5028	70	30	<200	200	N	1,500	N	>1,000	N
5030	20	30	<200	200	200	700	N	>1,000	N
5032	<10	200	<200	150	N	1,000	N	>1,000	N
5034	<10	30	<200	150	N	500	N	>1,000	N
5036	20	>2,000	<200	150	N	1,500	N	>1,000	N
5038	<10	300	<200	100	N	1,000	N	>1,000	N
5040	<10	50	200	150	N	500	N	>1,000	N
5042	<10	50	<200	150	N	1,000	N	>1,000	N
5044	<10	30	300	150	500	500	N	>1,000	N
5046	N	50	<200	150	100	500	N	>1,000	N
5048	N	50	200	200	200	500	N	>1,000	N
5050	N	30	<200	150	150	500	N	>1,000	N
5052	N	30	200	150	N	500	N	>1,000	N
5054	50	50	<200	200	N	700	N	>1,000	N
5056	50	50	<200	200	N	1,500	N	>1,000	N
5058	50	50	<200	150	200	1,000	N	>1,000	N
5060	50	50	<200	150	200	1,000	N	>1,000	N
5062	20	50	<200	150	300	1,000	N	>1,000	N
5064	10	30	<200	150	300	700	N	>1,000	N
5066	50	50	<200	200	100	1,000	N	>1,000	N
5068	20	70	<200	150	N	1,000	N	>1,000	N
5070	10	50	<200	150	N	1,000	N	>1,000	N
5072	10	50	200	150	N	1,000	N	>1,000	N
5074	20	100	200	150	N	1,000	N	>1,000	N
5076	10	100	<200	150	N	1,000	N	>1,000	N
5078	20	50	<200	150	N	1,000	N	>1,000	N
5080	10	70	N	150	N	1,000	N	>1,000	N
5082	50	100	<200	150	N	1,500	N	>1,000	N
5084	20	100	<200	150	N	1,000	N	>1,000	N
5086	20	100	<200	150	N	1,000	N	>1,000	N
5088	10	100	<200	200	N	1,000	N	>1,000	N
5090	10	100	<200	200	N	1,000	N	>1,000	N
5092	20	70	<200	200	N	1,000	N	>1,000	N
5094	<10	70	<200	200	N	1,000	N	>1,000	N
5096	<10	20	<200	100	N	1,000	N	>1,000	N
5098	<10	100	<200	150	N	1,000	N	>1,000	N
5100	N	N	500	70	N	500	N	>1,000	N
5102	20	50	200	150	N	1,500	N	>1,000	N
5104	N	N	500	100	N	100	N	>1,000	N
5106	N	N	500	100	N	100	N	>1,000	N
5108	N	N	500	100	N	100	N	>1,000	N
5110	N	N	200	100	N	100	N	>1,000	N
5112	N	30	<200	200	N	700	N	>1,000	N
5114	N	20	300	200	N	500	N	>1,000	N
5116	N	30	<200	200	N	1,000	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
5118	37 38 34	105 30 56	2.0	.70	10.00	>1.0	1,000	N	N	N	20	700
5120	37 38 32	105 32 6	2.0	.70	15.00	>1.0	700	N	N	N	20	200
5122	37 38 30	105 32 5	2.0	1.00	5.00	>1.0	500	N	N	N	20	700
5124	37 37 40	105 31 24	1.5	.50	7.00	>1.0	500	N	N	N	20	700
5126	37 37 38	105 31 24	5.0	1.50	5.00	>1.0	700	N	N	N	50	500
5128	37 37 56	105 32 13	1.0	.50	2.00	.5	200	N	N	N	50	700
5130	38 26 26	106 2 6	2.0	1.00	10.00	>1.0	700	N	N	N	70	300
5132	38 26 32	106 2 33	2.0	.50	5.00	>1.0	300	N	N	N	2,000	200
5134	38 26 30	106 2 46	2.0	.50	3.00	>1.0	300	N	N	N	70	300
5136	38 26 29	106 2 56	2.0	.50	5.00	>1.0	500	N	N	N	30	700
5138	38 26 25	106 3 7	7.0	1.50	5.00	>1.0	1,000	N	N	N	30	500
5140	38 26 16	106 3 7	5.0	1.50	10.00	>1.0	1,000	N	N	N	200	700
5144	38 19 49	105 55 32	1.0	.20	7.00	>1.0	700	N	N	N	20	200
5146	37 58 48	105 34 14	3.0	.20	7.00	>1.0	300	N	N	N	100	300
5148	37 59 8	105 33 6	3.0	.50	10.00	>1.0	700	N	N	N	50	300
5150	37 59 57	105 32 13	5.0	.50	10.00	>1.0	1,000	N	N	N	50	5,000
5152	38 0 34	105 31 3	10.0	.70	10.00	>1.0	1,500	N	N	N	50	3,000
5154	38 16 29	105 51 34	5.0	.50	3.00	>1.0	300	N	N	N	100	300
5156	38 17 33	105 51 30	7.0	.70	3.00	>1.0	700	100	N	N	200	500
5158	38 0 37	105 40 3	3.0	.50	5.00	>1.0	700	N	N	N	150	500
5160	37 59 45	105 41 6	2.0	.30	10.00	>1.0	1,000	N	N	N	100	100
5162	38 2 33	105 41 0	2.0	.20	7.00	>1.0	1,000	N	N	N	150	100
5164	38 1 45	105 41 26	5.0	.50	7.00	>1.0	1,000	N	N	N	200	500
5166	38 1 9	105 42 48	3.0	.30	10.00	>1.0	1,000	N	N	N	200	100
5168	38 16 41	105 47 10	3.0	.30	2.00	>1.0	300	N	N	N	100	200
5170	38 17 23	105 46 0	2.0	.50	2.00	>1.0	200	N	N	N	100	>5,000
5172	38 17 47	105 45 34	2.0	.50	2.00	>1.0	150	N	N	N	100	>5,000
5174	38 22 44	105 50 32	3.0	.30	5.00	>1.0	200	N	N	N	100	>5,000
5176	38 20 2	105 48 6	2.0	.30	2.00	>1.0	200	N	N	N	100	>5,000
5178	38 20 3	105 48 21	5.0	.70	1.50	>1.0	300	N	N	N	200	>5,000
5180	38 19 38	105 49 9	2.0	.70	1.00	>1.0	200	N	N	N	100	>5,000
5182	38 19 49	105 49 18	3.0	.70	7.00	>1.0	700	N	N	N	100	>5,000
5184	38 19 2	105 43 28	2.0	.50	10.00	>1.0	700	N	N	N	50	>5,000
5186	38 19 1	105 44 17	5.0	.30	5.00	>1.0	700	N	N	N	50	1,500
5188	38 17 30	105 43 30	5.0	.50	10.00	>1.0	700	5	N	N	50	1,500
5190	38 17 49	105 43 44	5.0	.50	10.00	>1.0	700	N	N	N	50	5,000
6002	37 54 24	105 31 16	1.0	.20	5.00	>1.0	300	N	N	N	20	1,000
6004	37 54 10	105 30 47	1.5	.20	7.00	>1.0	500	N	N	N	20	700
6006	37 53 55	105 30 32	1.0	.20	7.00	>1.0	300	N	N	N	20	700
6008	37 53 18	105 30 15	1.5	.20	7.00	1.0	300	N	N	N	20	1,000
6012	38 8 7	105 38 54	2.0	.30	5.00	>1.0	300	N	N	N	50	>5,000
6014	38 8 28	105 37 57	2.0	.30	2.00	.5	200	N	N	N	30	5,000
6016	38 8 29	105 37 59	2.0	.20	2.00	.5	200	N	N	N	50	>5,000
6018	38 8 52	105 39 9	2.0	.30	2.00	1.0	200	N	N	N	50	5,000
6020	38 9 21	105 39 39	2.0	.30	3.00	>1.0	300	N	N	N	50	1,500

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
5118	<2	N	N	<10	30	100	500	<10	70	10	50	N
5120	<2	N	N	<10	100	100	500	<10	100	10	20	N
5122	<2	N	N	<10	30	50	100	N	50	10	20	N
5124	<2	N	N	<10	20	50	150	N	<50	10	20	N
5126	<2	N	N	<10	100	70	150	50	50	20	20	N
5128	<2	N	N	<10	20	20	50	N	<50	10	<20	N
5130	<2	20	N	<10	<20	100	150	N	<50	10	100	N
5132	2	N	N	<10	<20	50	150	N	50	10	50	N
5134	2	N	N	<10	<20	30	50	N	<50	10	50	N
5136	2	N	N	<10	20	30	50	N	<50	10	70	N
5138	2	N	N	<10	50	100	200	N	<50	10	100	N
5140	2	N	N	<10	50	100	200	N	<50	10	100	N
5144	2	N	N	<10	20	70	300	N	100	10	100	N
5146	<2	N	N	<10	50	100	500	N	<50	10	50	N
5148	<2	N	N	<10	30	70	150	<10	50	10	50	N
5150	<2	N	N	<10	50	100	200	<10	50	10	50	N
5152	<2	N	N	<10	50	50	200	<10	50	10	50	N
5154	<2	N	N	<10	200	300	200	50	50	20	300	N
5156	<2	N	N	10	300	200	300	<10	50	50	1,000	N
5158	<2	N	N	N	50	100	200	<10	50	10	100	N
5160	<2	N	N	N	50	100	300	<10	70	10	100	N
5162	<2	N	N	N	<20	100	200	<10	70	10	50	N
5164	<2	N	N	N	30	70	500	N	50	10	50	N
5166	<2	N	N	N	50	50	500	N	50	10	70	N
5168	<2	N	N	N	50	50	150	N	50	10	50	N
5170	<2	N	N	N	200	70	200	N	70	10	50	N
5172	<2	N	N	N	100	50	150	N	70	10	30	N
5174	<2	N	N	N	100	100	150	N	100	10	50	N
5176	<2	N	N	N	200	100	150	N	70	10	30	N
5178	<2	N	N	10	100	150	150	N	70	20	50	N
5180	<2	N	N	N	150	100	100	N	100	20	50	N
5182	<2	N	N	N	150	200	150	20	70	15	3,000	N
5184	<2	N	N	N	50	200	150	N	50	10	70	N
5186	2	N	N	N	50	100	150	N	<50	10	70	N
5188	2	N	N	N	50	200	150	<10	50	10	500	N
5190	2	N	N	N	50	150	150	N	50	10	100	N
6002	<2	N	N	10	<20	20	100	N	<50	<10	50	N
6004	<2	N	N	<10	<20	20	100	N	50	<10	50	N
6006	<2	N	N	<10	<20	20	70	N	<50	<10	30	N
6008	<2	N	N	<10	<20	15	70	N	N	10	50	N
6012	<2	N	N	<10	<20	50	70	N	50	10	20	N
6014	<2	N	N	<10	N	30	50	N	<50	10	20	N
6016	<2	N	N	<10	<20	30	50	N	N	10	20	N
6018	<2	N	N	<10	<20	30	50	N	<50	10	20	N
6020	<2	N	N	<10	<20	50	70	N	50	10	20	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
5118	N	<20	200	200	N	500	N	>1,000	N
5120	N	30	200	300	N	1,000	N	>1,000	N
5122	N	N	500	100	N	100	N	>1,000	N
5124	N	N	500	100	N	300	N	>1,000	N
5126	N	N	300	150	N	200	N	>1,000	N
5128	N	N	300	50	N	30	N	>1,000	N
5130	10	70	<200	200	N	1,000	N	>1,000	N
5132	10	20	N	150	N	1,500	N	>1,000	N
5134	N	N	N	70	N	1,000	N	>1,000	N
5136	10	N	N	100	N	1,000	N	>1,000	N
5138	20	20	N	200	N	1,500	N	>1,000	N
5140	20	50	N	200	N	1,000	N	>1,000	N
5144	20	300	N	150	N	1,000	N	>1,000	N
5146	30	20	<200	200	N	1,000	N	>1,000	N
5148	10	20	200	200	N	700	N	>1,000	N
5150	10	30	<200	200	N	1,000	N	>1,000	N
5152	10	N	<200	200	N	1,000	N	>1,000	N
5154	30	20	N	200	150	700	N	>1,000	N
5156	20	N	N	200	N	700	N	>1,000	N
5158	10	20	200	200	N	500	N	>1,000	N
5160	10	200	<200	150	N	1,000	N	>1,000	N
5162	10	300	<200	150	N	700	N	>1,000	N
5164	10	N	<200	150	N	1,000	N	>1,000	N
5166	20	50	<200	150	N	1,000	N	>1,000	N
5168	10	N	<200	100	N	500	N	>1,000	N
5170	30	20	<200	200	N	1,000	N	>1,000	N
5172	20	<20	<200	200	N	500	N	>1,000	N
5174	20	<20	<200	150	100	700	N	>1,000	N
5176	20	N	1,000	200	N	700	N	>1,000	N
5178	15	N	300	200	N	500	N	>1,000	N
5180	20	N	500	200	N	500	N	>1,000	N
5182	20	20	300	200	200	1,000	N	>1,000	N
5184	30	20	500	200	N	1,000	N	>1,000	N
5186	20	N	<200	150	N	1,000	N	>1,000	N
5188	30	50	<200	200	N	1,500	N	>1,000	N
5190	30	30	<200	200	N	1,500	N	>1,000	N
6002	N	N	500	50	N	100	N	>1,000	N
6004	N	N	200	150	N	200	N	>1,000	N
6006	N	N	300	50	<100	100	N	>1,000	N
6008	N	N	500	30	N	150	N	>1,000	N
6012	N	N	500	50	N	500	N	>1,000	N
6014	N	N	200	50	N	300	N	>1,000	N
6016	N	N	200	30	N	500	N	>1,000	N
6018	N	N	<200	50	N	500	N	>1,000	N
6020	N	N	<200	100	N	500	N	>1,000	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
6022	38 9 28	105 38 10	2.0	.20	5.00	>1.0	300	N	N	N	50	5,000
6024	38 10 52	105 37 20	1.5	.20	3.00	>1.0	200	N	N	N	50	1,000
6026	38 10 55	105 37 25	1.5	.20	2.00	>1.0	500	N	N	N	50	1,000
6028	38 10 9	105 40 31	2.0	.20	7.00	>1.0	500	N	N	N	50	5,000
6030	38 10 32	105 41 3	3.0	.20	5.00	>1.0	500	N	N	N	70	5,000
6032	38 11 6	105 39 11	2.0	.20	5.00	>1.0	500	N	N	N	50	1,000
6036	38 2 3	105 38 36	5.0	.50	2.00	>1.0	500	N	N	N	50	1,500
6038	38 2 1	105 38 34	2.0	.50	2.00	>1.0	500	N	N	N	50	1,000
6040	38 3 40	105 38 38	1.5	.50	2.00	>1.0	500	N	N	N	50	700
6042	38 3 40	105 38 40	3.0	.50	2.00	>1.0	500	N	N	N	50	1,000
6048	38 18 45	105 46 32	1.0	.50	.15	.7	150	N	N	N	100	5,000
6092	37 41 15	105 27 25	1.5	.30	3.00	1.0	200	N	N	N	50	2,000
6098	37 40 41	105 26 41	1.0	.10	5.00	>1.0	200	N	N	N	50	700
6100	37 40 22	105 27 22	2.0	.30	7.00	>1.0	700	N	N	N	50	3,000
6102	37 39 28	105 27 53	1.0	.15	15.00	1.0	700	N	N	N	30	1,000

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB	S-SB
6022	<2	N	N	<10	<20	50	50	N	<50	10	20	N
6024	<2	N	N	<10	<20	50	50	N	<50	10	20	N
6026	<2	N	N	<10	<20	50	50	N	<50	10	20	N
6028	<2	N	N	<10	20	50	70	N	<50	10	20	N
6030	<2	N	N	<10	20	50	70	N	50	10	20	N
6032	<2	N	N	<10	20	50	50	N	<50	10	20	N
6036	<2	N	N	<10	30	50	70	N	70	10	20	N
6038	<2	N	N	<10	20	50	50	N	<50	10	20	N
6040	<2	N	N	<10	20	30	50	N	<50	10	20	N
6042	<2	N	N	<10	30	70	70	N	<50	10	20	N
6048	<2	N	N	<10	50	20	50	N	<50	10	50	N
6092	<2	N	N	<10	20	30	50	N	<50	10	30	N
6098	<2	N	N	<10	10	20	50	N	50	10	50	N
6100	<2	N	N	<10	50	50	100	N	<50	10	50	N
6102	<2	N	N	<10	10	30	200	N	N	10	20	N

TABLE 4.--Data for heavy-mineral-concentrate samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
6022	N	N	<200	100	N	1,000	N	>2,000	N
6024	N	N	<200	70	N	300	N	>2,000	N
6026	N	N	<200	70	N	200	N	>2,000	N
6028	20	N	<200	150	N	1,500	N	>2,000	N
6030	10	N	<200	150	N	1,000	N	>2,000	N
6032	20	N	<200	150	N	1,500	N	>2,000	N
6036	10	N	<200	100	N	300	N	>2,000	N
6038	10	N	<200	50	N	200	N	>2,000	N
6040	10	N	<200	50	N	200	N	>2,000	N
6042	10	N	<200	100	N	200	N	>2,000	N
6048	N	--	200	50	N	50	N	>2,000	N
6092	N	--	500	50	100	150	N	>2,000	N
6098	10	--	<200	70	N	500	N	>2,000	N
6100	20	--	1,000	150	N	500	N	>2,000	N
6102	10	--	500	50	N	700	N	>2,000	N

TABLE 5.--Data for rock samples, Sangre de Cristo Wilderness Study Area

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
0001	38 1 4	105 41 16	2.0	.50	1.00	.200	500	N	N	N	20	1,500
0004	38 0 46	105 41 50	7.0	.05	.05	.070	500	100.0	N	N	<10	200
0015	38 7 38	105 47 7	15.0	1.50	.20	.300	1,000	.5	N	N	>2,000	1,000
0020	38 9 7	105 47 20	20.0	.50	.10	.070	200	5.0	1,000	N	20	1,000
0021	38 9 7	105 47 20	20.0	.20	.05	.020	70	30.0	3,000	N	<10	700
0022	38 9 7	105 47 20	.5	.02	<.05	.010	20	2.0	N	N	<10	100
0024	38 11 28	105 46 52	7.0	1.00	15.00	.100	5,000	N	N	N	70	5,000
0025	38 11 28	105 46 32	7.0	3.00	2.00	.500	1,000	N	N	N	500	300
0027	38 11 29	105 46 24	7.0	2.00	.70	.500	700	N	N	N	200	300
0049	38 23 57	106 0 3	7.0	2.00	2.00	.500	1,500	N	N	N	20	500
0054	38 7 49	105 36 10	7.0	.50	2.00	.500	1,500	N	N	N	100	500
0069	38 14 2	105 44 39	5.0	3.00	.50	.500	200	N	N	N	100	300
0070	38 14 2	105 44 39	5.0	1.00	1.50	.500	1,000	N	N	N	20	1,500
0071	38 14 3	105 44 39	2.0	.20	.20	.200	100	N	N	N	20	700
0072	38 14 4	105 44 39	5.0	3.00	3.00	.500	1,000	N	N	N	50	500
0073	38 14 4	105 44 39	5.0	2.00	.70	.500	700	N	N	N	10	500
0076	38 13 42	105 44 56	5.0	1.50	1.00	.500	700	N	N	N	10	1,000
0077	38 13 37	105 45 5	1.0	.10	.70	.200	200	N	N	N	10	300
0078	38 13 33	105 45 25	7.0	2.00	1.50	.500	1,000	N	N	N	10	1,500
0079	38 13 21	105 45 20	1.0	.20	.50	.100	500	N	N	N	20	150
0082	38 13 10	105 45 22	5.0	2.00	2.00	.500	1,500	N	N	N	10	1,500
0084	38 13 10	105 45 22	5.0	.02	<.05	<.002	1,000	N	N	N	10	1,000
0085	38 13 7	105 45 53	1.0	.50	1.00	.100	500	N	N	N	10	500
0086	38 13 23	105 44 35	2.0	.20	.70	.100	100	N	N	N	10	500
0087	38 13 28	105 44 39	5.0	2.00	2.00	.300	1,500	N	N	N	20	1,000
0092	38 14 8	105 43 42	7.0	2.00	10.00	.300	5,000	N	N	N	50	>5,000
0095	37 56 54	105 39 14	2.0	.20	1.00	.015	200	3.0	N	N	20	500
0096	37 56 47	105 38 55	1.5	.20	.10	.050	200	N	N	N	50	300
0099	37 56 5	105 39 36	15.0	.70	1.00	1.000	5,000	.5	N	N	20	1,500
0100	38 14 33	105 44 46	7.0	1.00	1.50	.300	3,000	N	N	N	20	1,000
0101	38 13 43	105 44 46	5.0	1.00	1.50	.300	1,500	N	N	N	10	1,000
0102	38 13 48	105 44 49	7.0	3.00	1.50	.500	1,500	N	N	N	10	1,500
0103	38 13 48	105 44 49	7.0	.15	.05	.020	500	N	N	N	10	5,000
0105	37 55 53	105 38 35	5.0	.70	.15	.300	1,500	N	N	N	10	3,000
0107	38 14 3	105 40 49	20.0	.10	<.05	.020	3,000	2.0	N	N	10	>5,000
0118	38 5 55	105 36 17	2.0	1.00	1.50	.300	700	20.0	<200	N	10	300
0124	37 53 15	105 37 15	7.0	.50	.20	.200	300	2.0	N	10	10	500
0125	37 53 26	105 37 12	7.0	1.00	2.00	.500	1,000	2.0	N	N	10	1,500
0126	37 53 47	105 34 17	3.0	1.00	.50	.300	500	N	N	N	10	1,000
0135	37 53 30	105 35 19	7.0	.70	.20	.100	1,500	10.0	N	15	10	200
0138	37 53 17	105 35 22	2.0	.50	1.50	.100	300	N	N	N	10	1,000
0139	37 53 30	105 35 10	2.0	.20	.30	.010	300	5.0	N	20	10	100
0140	37 53 4	105 35 32	3.0	1.00	5.00	.100	1,000	N	N	N	70	200
0141	37 52 56	105 35 35	3.0	.10	<.05	.020	70	<.5	N	N	10	200
0142	37 16 22	105 41 52	5.0	1.00	15.00	.500	>5,000	N	N	N	20	1,000

TABLE 5.--Data for rock samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0001	2.0	N	N	<5	N	20	100	N	<20	10	20
0004	<1.0	N	N	10	N	20,000	N	N	<20	10	70
0015	1.0	N	N	50	100	200	70	10	<20	100	20
0020	1.0	N	N	20	10	200	50	50	<20	30	50
0021	N	N	N	20	10	500	50	50	<20	20	50
0022	N	N	N	<5	N	10	N	N	<20	10	<10
0024	1.0	N	N	10	20	50	<20	N	<20	20	15
0025	2.0	N	N	15	50	50	50	N	<20	30	15
0027	3.0	N	N	15	70	20	70	N	<20	50	15
0049	<1.0	N	N	20	20	1,500	50	N	<20	30	<10
0054	2.0	N	N	20	100	15	70	N	<20	70	30
0069	2.0	N	N	15	100	50	50	N	<20	30	10
0070	2.0	N	N	15	20	20	100	N	<20	10	20
0071	1.5	N	N	<5	N	5	100	N	<20	5	<10
0072	2.0	N	N	15	150	20	100	N	<20	30	15
0073	2.0	N	N	15	100	15	100	N	<20	50	15
0076	1.5	N	N	20	20	20	100	N	<20	20	20
0077	2.0	N	N	<5	N	5	50	N	20	5	50
0078	1.5	N	N	30	10	70	70	N	<20	15	50
0079	7.0	N	N	<5	N	5	30	N	20	5	15
0082	2.0	N	N	20	10	30	100	<5	<20	15	50
0084	N	N	N	10	N	10	50	N	<20	10	10
0085	5.0	N	N	<5	N	<5	50	N	<20	5	30
0086	2.0	N	N	<5	N	100	20	10	<20	5	20
0087	2.0	N	N	20	10	100	50	100	<20	15	10
0092	2.0	N	N	15	50	500	100	N	<20	20	200
0095	1.0	N	N	10	N	1,000	20	N	<20	5	30
0096	2.0	N	N	<5	N	100	100	N	<20	5	20
0099	2.0	N	N	100	30	50	100	N	20	30	50
0100	2.0	N	N	20	10	20	70	N	<20	15	20
0101	1.5	N	N	20	10	20	50	N	<20	15	20
0102	1.0	N	N	20	N	20	70	N	<20	20	20
0103	10.0	20	N	<5	N	500	50	70	<20	5	10
0105	2.0	N	N	100	10	7,000	200	N	<20	20	30
0107	1.5	N	N	10	<10	>20,000	<20	N	<20	30	10
0118	1.0	N	N	10	150	>20,000	50	N	<20	50	20
0124	3.0	<10	N	20	N	150	70	N	<20	10	50
0125	5.0	N	N	20	N	300	70	N	<20	10	30
0126	1.5	N	N	10	100	50	100	N	<20	30	<10
0135	2.0	200	N	20	10	20,000	50	N	<20	15	100
0138	1.5	N	N	5	N	50	50	N	<20	5	30
0139	1.0	20	N	5	N	10,000	20	N	<20	5	10
0140	2.0	N	N	5	10	5,000	100	N	<20	10	50
0141	3.0	N	N	10	N	5,000	20	5	<20	15	<10
0143	2.0	N	N	20	500	70	70	N	<20	150	30

TABLE 5.--Data for rock samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0001	N	5	N	100	30	N	20	N	200	N
0004	N	N	N	N	10	N	N	N	10	N
0015	N	30	N	<100	100	N	50	N	150	N
0020	N	<5	N	N	50	N	10	N	20	N
0021	N	N	N	N	20	N	N	N	<10	N
0022	N	N	N	N	10	N	N	N	N	N
0024	N	20	N	200	50	N	70	N	70	N
0025	N	20	N	<100	100	N	70	N	200	N
0027	N	20	N	N	100	N	20	N	200	N
0049	N	20	N	700	200	N	30	N	70	N
0054	N	20	N	100	100	N	50	300	150	N
0069	N	20	N	150	200	N	50	N	200	N
0070	N	20	N	1,000	100	N	20	N	200	N
0071	N	5	N	100	30	N	10	N	200	N
0072	N	30	N	300	100	N	70	N	200	N
0073	N	20	N	150	100	N	70	N	300	N
0076	N	20	N	700	100	N	15	N	100	N
0077	N	<5	N	500	30	N	15	N	50	N
0078	N	20	N	1,000	150	N	30	N	200	N
0079	N	5	N	<100	20	N	<10	N	50	N
0082	N	20	N	1,000	100	N	20	N	200	N
0084	N	N	N	N	10	N	<10	N	N	N
0085	N	<5	N	500	20	N	10	N	100	N
0086	N	<5	N	500	30	N	<10	N	200	N
0087	N	10	N	300	100	N	20	N	100	N
0092	N	20	N	300	100	N	70	N	200	N
0095	N	N	N	200	20	N	N	N	N	N
0096	N	<5	N	N	30	N	20	N	100	N
0099	N	30	N	200	200	50	50	N	200	N
0100	N	15	N	300	100	N	20	N	100	N
0101	N	10	N	500	150	N	15	N	150	N
0102	N	20	N	1,000	150	N	20	N	150	N
0103	N	N	N	150	50	N	N	N	<10	N
0105	N	10	N	150	50	N	50	N	200	N
0107	N	5	N	300	50	N	10	N	<10	N
0118	N	15	N	300	100	N	20	N	200	N
0124	N	7	N	200	100	N	30	N	200	N
0125	N	20	N	300	100	N	50	N	200	N
0126	N	15	N	200	50	N	30	N	200	N
0135	N	10	N	N	100	N	50	N	50	N
0138	N	10	N	300	20	N	30	N	<10	N
0139	N	<5	N	N	15	N	10	N	N	N
0140	N	10	N	100	50	N	50	N	100	N
0141	N	<5	N	N	10	N	20	N	30	N
0143	N	15	N	200	150	N	50	N	100	N

TABLE 5.--Data for rock samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
0149	33 16 25	105 41 50	2.0	.70	.70	.200	500	N	N	N	10	300
0150	37 35 23	105 28 47	10.0	1.50	3.00	1.000	2,000	N	N	N	10	200
0151	37 35 23	105 28 47	3.0	.70	1.50	.200	700	N	N	N	20	500
0152	37 35 10	105 29 1	7.0	.05	1.00	.010	200	150.0	N	15	10	50
0153	37 35 16	105 28 55	7.0	7.00	10.00	.070	1,000	2.0	N	N	10	70
0176	37 57 20	105 33 30	5.0	2.00	15.00	.500	1,000	1.0	N	N	100	500
3017	0 0 0B	0 0 0B	5.0	1.00	2.00	.300	1,000	N	N	N	100	1,000
9004	38 27 22	106 1 36	1.0	.05	.20	.100	150	N	N	N	20	1,000
9006	38 39 1	105 31 41	5.0	.70	<.05	.070	200	2.0	N	N	10	700
9007	37 34 28	105 28 8	5.0	1.00	1.50	.200	1,500	N	N	N	20	500
9008	38 21 9	105 55 33	7.0	.20	1.00	.020	200	.5	N	N	20	500
9010	38 3 26	105 44 46	2.0	.20	1.50	.200	2,000	N	N	N	10	3,000
909	38 6 0	105 46 0	3.0	.30	.30	.200	150	2.0	N	N	50	500
9301	37 57 55	105 29 19	5.0	1.00	1.50	.300	1,000	1.0	N	N	100	500
9305	37 42 27	105 31 3	7.0	2.00	20.00	.100	1,500	N	N	N	20	100
9306	37 33 39	105 33 30	3.0	.30	1.50	.300	500	N	N	N	10	500
9307	37 32 56	105 33 19	5.0	.30	.20	.200	500	N	N	N	10	300
9308	38 22 2	105 58 47	3.0	.70	1.00	.300	1,000	N	N	N	10	700
9309	38 0 26	105 33 59	7.0	1.00	1.00	.500	1,000	N	N	N	100	500
9401	38 1 25	105 40 35	3.0	.50	.05	.500	200	15.0	N	N	100	1,000
9402	38 13 41	105 47 22	5.0	3.00	3.00	.500	1,000	N	N	N	20	100
9403	37 56 13	105 26 55	1.0	.50	2.00	.200	200	20.0	N	N	70	1,500
9404	37 53 2	105 26 25	.7	.15	.10	.050	200	N	N	N	20	700
9405	37 59 25	105 38 13	5.0	2.00	2.00	.500	1,000	2.0	N	N	70	500
9406	37 59 25	105 20 18	10.0	.70	3.00	.100	5,000	1.5	N	N	10	700
9407	37 59 30	105 39 10	1.0	.50	.07	.700	100	N	N	N	500	700
9408	37 59 35	105 39 11	5.0	.20	.05	.050	5,000	N	N	N	100	1,000
9409	37 59 29	105 40 12	2.0	.05	<.05	.020	200	5.0	N	N	10	200
9410	38 18 3	105 52 10	.5	.50	20.00	<.002	300	N	N	N	N	N
9411	38 18 3	105 52 12	.2	.70	20.00	<.002	200	<.5	N	N	N	N
9412	38 17 42	105 52 40	2.0	.30	1.00	.150	300	1.5	N	N	50	1,500
9414	38 17 10	105 53 14	5.0	.20	<.05	.050	300	2.0	N	N	50	200
9415	38 18 24	105 52 21	3.0	.30	.70	.015	300	300.0	1,000	<10	10	<20
9416	38 17 57	105 53 33	5.0	.15	<.05	.100	500	200.0	N	10	20	300
9417	33 24 47	105 57 2	5.0	<.02	<.05	.020	100	N	N	N	10	<20
9418	38 24 27	105 56 48	3.0	.70	.50	.100	100	N	N	N	10	1,000
9419	38 24 27	105 56 48	10.0	2.00	2.00	1.000	3,000	N	N	N	20	100
9420	38 24 35	105 56 35	.2	.20	.10	.050	150	N	N	N	2,000	50
9421	38 21 27	105 52 43	5.0	.70	1.50	.300	5,000	N	N	N	10	1,500
9422	37 45 43	105 29 22	10.0	1.00	.20	.500	500	N	N	N	200	700
9423	37 35 18	105 30 8	5.0	.70	1.50	.100	700	N	N	N	20	300
9424	37 35 18	105 30 8	10.0	1.00	2.00	.500	1,500	N	N	N	20	200
9425	37 35 16	105 30 11	7.0	2.00	3.00	.500	1,500	N	N	N	20	150
9426	37 35 15	105 30 18	7.0	1.50	2.00	.500	1,500	1.5	N	N	20	300
9427	37 35 15	105 30 30	.5	.03	.07	.015	200	N	N	N	10	<20

TABLE 5.--Data for rock samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
0149	1.5	N	N	5	10	20	30	N	<20	10	20
0150	<1.0	N	N	20	20	100	<20	N	<20	15	10
0151	1.0	N	N	5	N	5	N	N	<20	5	15
0152	N	10	N	10	N	50	<20	20	<20	10	20
0153	N	N	N	50	300	5,000	N	N	<20	200	10
0176	2.0	N	N	10	50	500	50	N	<20	20	50
3017	2.0	N	N	15	50	50	50	N	<20	30	30
9004	2.0	N	N	<5	N	5	50	N	<20	5	200
9006	<1.0	N	N	<5	N	300	20	5	<20	<5	20
9007	1.0	N	N	50	100	50	20	20	<20	50	20
9008	1.0	N	N	30	N	500	20	70	<20	10	15
9010	1.0	N	N	5	N	70	50	N	<20	10	10
909	2.0	N	N	10	10	5,000	100	N	<20	<5	200
9301	2.0	N	N	20	70	50	70	N	<20	20	50
9305	<1.0	N	N	20	500	1,500	30	N	<20	100	10
9306	<1.0	N	N	<5	N	20	100	N	<20	<5	20
9307	2.0	20	N	10	<10	50	50	10	<20	5	30
9308	3.0	N	N	10	N	50	30	N	<20	5	30
9309	2.0	N	N	20	100	15	50	N	<20	20	30
9401	3.0	N	N	15	150	5,000	100	N	<20	20	50
9402	1.5	N	N	15	150	70	100	N	<20	20	200
9403	1.5	N	N	10	10	7,000	20	70	<20	20	200
9404	1.5	N	N	N	N	10	20	N	<20	5	20
9405	1.5	N	N	50	150	5,000	20	N	<20	50	15
9406	1.5	N	N	10	N	700	20	<5	<20	20	200
9407	3.0	N	N	20	100	30	70	<5	<20	20	50
9408	3.0	N	N	20	N	50	20	10	<20	20	50
9409	2.0	N	N	50	N	10	20	N	<20	20	30
9410	N	N	N	N	N	<5	<20	N	<20	N	100
9411	N	N	N	N	N	<5	<20	N	<20	N	100
9412	1.5	N	N	<5	N	100	70	10	<20	10	100
9414	2.0	N	N	<5	N	50	70	N	<20	5	300
9415	2.0	N	>500	50	N	20,000	50	N	<20	5	>20,000
9416	3.0	150	N	15	N	5,000	70	N	<20	5	1,000
9417	<1.0	N	N	5	N	100	50	5	<20	20	10
9418	2.0	N	N	<5	N	10	50	20	<20	<5	15
9419	1.0	N	N	50	20	50	30	N	<20	30	10
9420	N	N	N	<5	N	10	<20	N	<20	5	<10
9421	1.5	N	N	<5	N	20	150	N	<20	<5	70
9422	2.0	N	N	15	100	150	100	5	<20	30	50
9423	1.0	N	N	10	N	<5	50	N	<20	<5	10
9424	N	N	N	50	20	100	50	N	<20	20	10
9425	N	N	N	20	70	100	30	N	<20	70	10
9426	N	N	N	100	20	1,000	50	N	<20	30	10
9427	3.0	N	N	N	N	5	N	N	100	<5	50

TABLE 5.--Data for rock samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
0149	N	<5	N	100	50	N	30	N	200	N
0150	N	30	N	200	300	N	50	<200	100	N
0151	N	5	N	700	30	N	<10	N	50	N
0152	N	N	N	N	10	N	N	N	N	N
0153	N	30	N	500	50	N	<10	N	N	N
0176	N	20	N	300	100	N	50	N	200	N
3017	N	10	N	200	100	N	50	N	100	N
9004	N	5	N	100	10	N	50	300	300	N
9006	N	<5	N	<100	10	N	50	N	300	N
9007	N	20	N	150	100	N	20	N	20	N
9008	N	<5	N	300	20	N	<10	N	10	N
9010	N	7	N	100	100	N	70	N	150	N
909	N	5	N	150	20	N	100	N	500	N
9301	N	20	N	200	100	N	50	<200	200	N
9305	N	20	N	200	150	N	20	N	10	N
9306	N	10	N	200	30	N	70	N	300	N
9307	N	5	N	200	50	<50	20	N	200	N
9308	N	10	N	200	100	N	70	N	200	N
9309	N	20	N	200	100	N	50	N	300	N
9401	N	15	N	200	200	N	70	N	300	N
9402	N	30	N	200	150	N	70	1,000	300	N
9403	N	5	N	100	50	N	<10	N	200	N
9404	N	N	N	100	10	N	<10	N	100	N
9405	N	30	N	500	200	N	30	N	100	N
9406	N	5	N	1,500	200	N	30	N	100	N
9407	N	20	N	N	200	N	50	N	700	N
9408	N	5	N	N	15	N	10	N	100	N
9409	N	N	N	N	15	N	<10	N	20	N
9410	N	N	N	500	<10	N	N	<200	<10	N
9411	N	N	N	200	<10	N	N	<200	<10	N
9412	N	7	N	<100	30	N	20	N	100	N
9414	N	<5	N	N	15	N	10	N	200	N
9415	2,000	N	N	<100	20	N	<10	20,000	<10	N
9416	N	15	N	N	10	N	20	1,500	100	N
9417	N	N	N	N	20	N	50	N	N	N
9418	N	7	N	<100	10	N	70	N	200	N
9419	N	30	N	200	300	N	70	<200	200	N
9420	N	5	N	N	20	N	20	200	50	N
9421	N	30	N	200	70	N	70	N	300	N
9422	N	20	N	150	100	N	70	N	300	N
9423	N	5	N	700	50	N	N	N	30	N
9424	N	30	N	300	300	N	50	N	30	N
9425	N	30	N	500	300	N	30	N	30	N
9426	N	30	N	700	200	N	30	N	30	N
9427	N	<5	N	N	10	N	10	N	50	N

TABLE 5.--Data for rock samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	LATITUDE	LONGITUD	S-FE%	S-MG%	S-CA%	S-TI%	S-MN	S-AG	S-AS	S-AU	S-B	S-BA
9428	38 25 8	106 1 30	3.0	.70	.10	.050	500	N	N	N	>2,000	300
9429	38 24 31	106 1 22	.2	.05	.10	.010	1,500	N	N	N	10	1,500
9430	38 15 24	105 49 28	>20.0	.10	.50	.150	200	N	N	N	20	200
9500	37 49 50	105 34 7	1.0	.02	.05	1.000	50	N	N	N	10	1,000
9501	37 49 50	105 34 7	1.0	.10	.10	1.000	100	N	N	N	<10	1,000
9502	37 50 25	105 34 42	10.0	<.02	<.05	<.002	150	N	N	N	20	<20
9503	37 38 35	105 30 47	10.0	2.00	2.00	.700	1,500	N	N	N	20	150
9504	37 37 47	105 31 20	5.0	.70	.50	.300	200	N	N	N	10	700
9505	37 37 47	105 31 20	5.0	.70	1.50	.500	500	N	N	N	10	500
9506	37 37 47	105 31 20	.5	.05	.20	.500	150	N	N	N	<10	200
9507	37 37 47	105 31 20	15.0	.15	.15	.100	200	N	N	N	10	500
9508	37 37 47	105 31 20	7.0	2.00	2.00	.500	1,500	N	N	N	20	500
9509	38 20 58	105 54 10	3.0	2.00	.15	.200	500	N	N	N	20	700
9510	38 20 59	105 54 22	5.0	1.00	3.00	.200	>5,000	N	N	N	10	1,000
9511	38 0 43	105 40 6	1.0	.05	<.05	.070	100	1.5	N	N	20	500
9601	38 16 20	105 41 50	2.0	.50	2.00	.100	1,000	N	N	N	50	500
9602	38 9 30	105 27 45	15.0	.05	<.05	.020	100	300.0	<200	N	50	50
9603	38 9 30	105 27 45	7.0	.07	<.05	.020	150	200.0	N	N	50	20
9605	37 14 30	105 44 30	7.0	.30	15.00	.070	>5,000	1.0	<200	N	50	700
9606A	38 14 26	105 44 27	5.0	1.00	1.00	.500	500	N	N	N	10	1,000
9606B	38 14 26	105 44 27	5.0	1.50	15.00	.050	>5,000	N	N	N	100	100
9607	38 14 3	105 44 38	.7	.20	.10	.100	200	N	N	N	30	200
9608	38 13 35	105 45 8	.5	.07	.20	.050	50	N	N	N	10	1,500
9609	38 13 27	105 45 22	5.0	1.50	1.50	.500	700	N	N	N	10	1,000
9610	38 13 46	105 44 40	5.0	1.50	1.50	.500	700	N	N	N	50	1,000
9612	38 14 26	105 46 6	10.0	.20	<.05	.070	1,000	N	N	N	1,000	<20
9613	38 14 26	105 45 6	20.0	.10	<.05	.020	100	N	N	N	1,000	<20
9614	38 14 21	105 46 8	2.0	.70	.70	.300	100	N	N	N	10	1,000
9615	38 11 54	105 44 13	.7	.10	.20	.070	100	N	N	N	20	200
9616	38 11 54	105 44 13	5.0	1.00	1.50	.300	300	N	N	N	10	1,500
9617	38 11 57	105 44 18	5.0	1.50	2.00	.500	300	N	N	N	10	700
9618	38 12 19	105 44 23	20.0	.07	<.05	.070	100	N	N	N	100	1,500
9619	38 12 52	105 45 4	10.0	.70	10.00	.070	5,000	N	N	N	5	500
9620	38 13 12	105 45 23	15.0	.50	.05	.070	1,000	2.0	N	N	5	>5,000
9621	38 13 12	105 45 23	1.0	.15	.30	.070	1,000	N	N	N	10	200

TABLE 5.--Data for rock samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-BE	S-BI	S-CD	S-CO	S-CR	S-CU	S-LA	S-MO	S-NB	S-NI	S-PB
9428	3.0	N	N	N	N	<5	<20	N	<20	<5	<10
9429	<1.0	N	N	N	N	5	N	N	<20	<5	20
9430	2.0	N	N	50	70	150	50	N	<20	100	50
9500	<1.0	N	N	10	<10	<5	<20	N	<20	<5	20
9501	1.0	N	N	<5	N	<5	<20	N	<20	<5	15
9502	N	N	N	<5	<10	<5	30	N	<20	<5	<10
9503	N	N	N	30	N	100	<20	N	<20	10	10
9504	1.0	N	N	10	10	30	50	10	<20	5	30
9505	2.0	N	N	5	20	30	50	N	<20	<5	20
9506	1.0	N	N	N	N	10	30	N	<20	<5	<10
9507	1.0	N	N	<5	N	10	70	N	<20	<5	20
9508	1.0	N	N	50	300	100	70	N	<20	100	20
9509	2.0	N	N	10	<10	5	70	N	<20	10	10
9510	2.0	N	N	<5	N	15	100	N	<20	N	20
9511	1.5	N	N	N	N	<5	<20	10	<20	5	10
9601	1.5	N	N	5	N	5	70	N	<20	10	10
9602	2.0	50	N	N	10	700	<20	10	<20	5	10,000
9603	2.0	30	N	<5	10	500	<20	N	30	<5	3,000
9605	1.0	N	N	30	10	5,000	50	N	<20	20	30
9606A	2.0	N	N	10	10	20	70	N	20	10	20
9606B	1.5	N	N	5	<10	100	<20	N	<20	10	70
9607	2.0	N	N	N	N	5	50	N	<20	<5	<10
9608	<1.0	N	N	N	N	<5	N	N	<20	<5	50
9609	1.5	N	N	15	N	30	100	N	<20	10	20
9610	1.5	N	N	30	10	20	100	N	<20	10	15
9612	2.0	N	N	N	10	5	50	N	<20	5	<10
9613	1.5	N	N	20	<10	15	20	N	<20	15	<10
9614	1.5	N	N	<5	N	10	50	N	<20	<5	20
9615	2.0	N	N	5	N	<5	50	N	<20	5	20
9616	1.5	N	N	5	10	<5	100	N	<20	5	15
9617	1.5	N	N	5	<10	<5	100	N	<20	5	10
9618	1.0	N	N	70	<10	15	20	150	<20	15	50
9619	15.0	N	N	20	N	15	50	<5	<20	20	20
9620	10.0	20	N	5	N	20	50	N	<20	10	10
9621	3.0	N	N	N	N	5	50	N	<20	5	<10

TABLE 5.--Data for rock samples, Sangre de Cristo Wilderness Study Area (continued)

Sample	S-SB	S-SC	S-SN	S-SR	S-V	S-W	S-Y	S-ZN	S-ZR	S-TH
9428	N	N	N	N	10	N	10	200	300	N
9429	N	N	N	100	10	N	10	N	<10	N
9430	N	7	N	<100	100	N	20	1,000	50	N
9500	N	<5	N	100	20	N	10	N	150	N
9501	N	<5	N	100	20	N	<10	N	200	N
9502	N	N	N	N	30	N	N	N	N	N
9503	N	30	N	500	200	N	50	N	10	N
9504	N	10	N	200	100	N	30	N	300	N
9505	N	10	N	N	100	N	30	N	200	N
9506	N	<5	N	100	10	N	20	N	50	N
9507	N	<5	N	100	10	N	70	N	300	N
9508	N	30	N	700	500	N	30	N	150	N
9509	N	10	N	N	100	N	50	N	150	N
9510	N	10	N	200	10	N	100	N	300	N
9511	N	<5	N	N	20	N	<10	N	50	N
9601	N	5	N	<100	50	N	<10	N	200	N
9602	300	N	N	<100	10	N	10	700	20	N
9603	<100	5	30	N	30	N	15	1,000	30	N
9605	N	7	N	N	30	N	50	N	20	N
9606A	N	7	N	700	100	N	20	N	150	N
9606B	N	5	N	100	20	N	20	500	30	N
9607	N	<5	N	<100	20	N	15	N	150	N
9608	N	N	N	500	10	N	N	N	30	N
9609	N	15	N	700	150	N	20	N	200	N
9610	N	15	N	500	150	N	30	N	200	N
9612	N	5	N	<100	30	N	N	N	50	N
9613	N	5	N	N	20	N	<10	N	20	N
9614	N	5	N	700	50	N	10	N	300	N
9615	N	5	N	<100	10	N	N	N	50	N
9616	N	10	N	700	100	N	15	N	200	N
9617	N	10	N	700	150	N	20	N	300	N
9618	N	<5	N	<100	30	N	10	N	10	N
9619	N	10	N	100	100	N	20	N	20	N
9620	N	7	N	500	100	N	10	N	50	N
9621	N	5	N	N	10	N	<10	N	50	N

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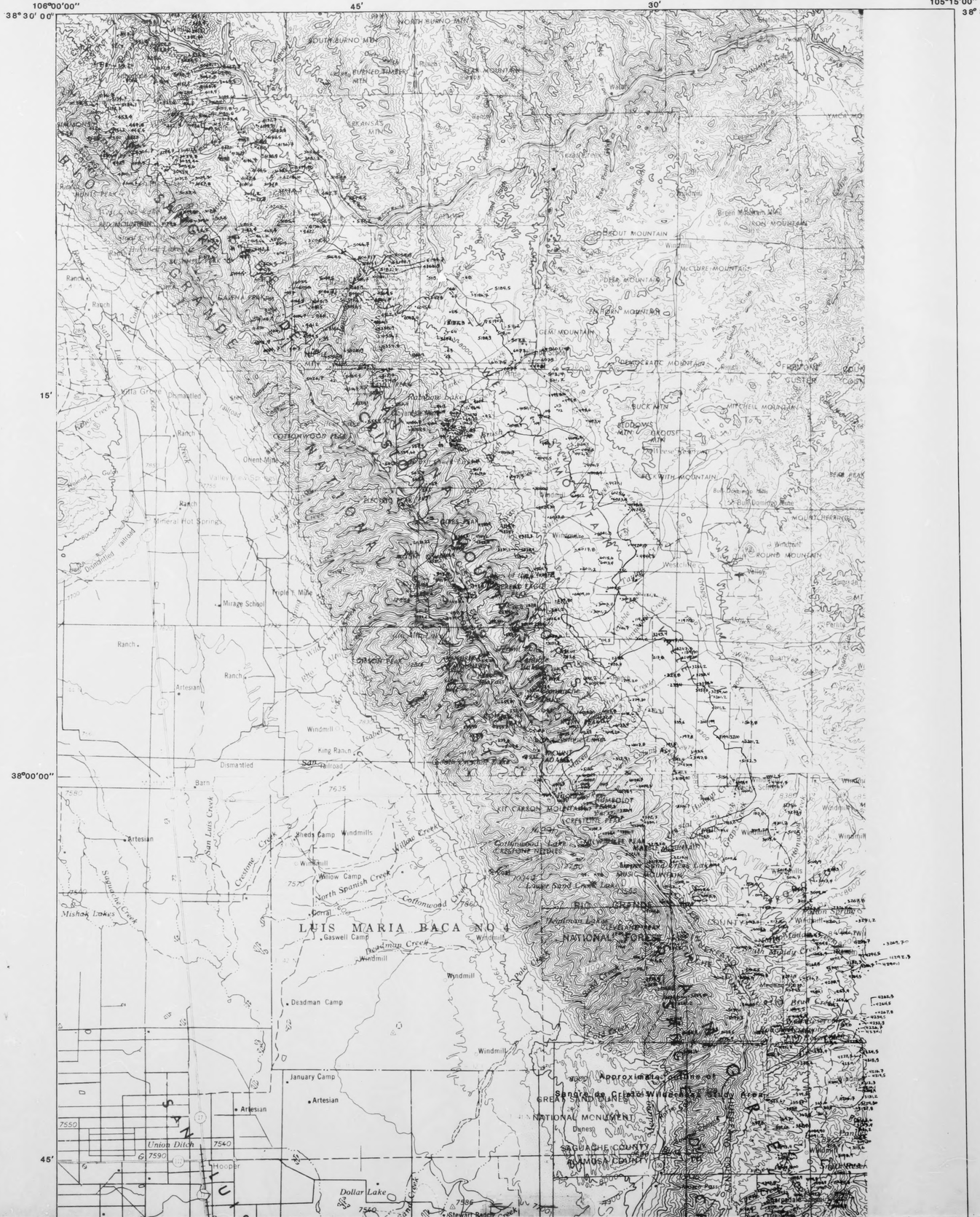
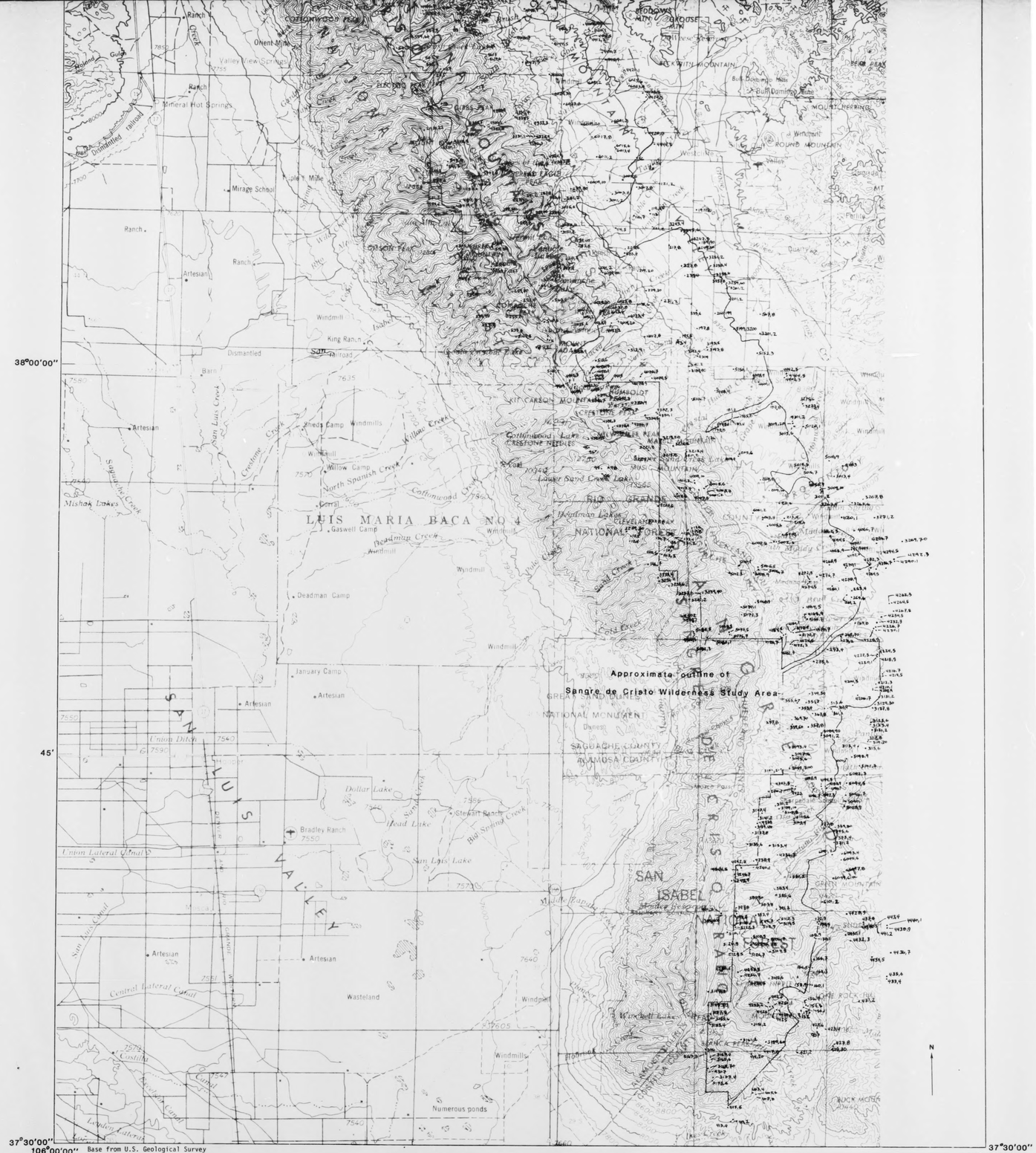
PLATE 1

106°00'00"
45'
30'
105°15'00"
38°30'00"
15'
38°00'00"
45'





This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.

PLATE 1–SAMPLE LOCALITY MAP OF THE SANGRE de CRISTO WILDERNESS STUDY AREA, SAGUACHE, ALAMOSA, FREMONT, CUSTER, AND HUERFANO COUNTIES, COLORADO

By

B. M. Adrian, B. F. Arbogast, and D. R. Zimbelman

1984